

KODIAK MANAGEMENT AREA COMMERCIAL SALMON
ANNUAL MANAGEMENT REPORT, 1999



Regional Information Report No. 4K01-5

Alaska Department of Fish and Game
Division of Commercial Fisheries
211 Mission Road
Kodiak, Alaska 99615

March 2001

Debbie Hart
CF - Juneau



KODIAK MANAGEMENT AREA COMMERCIAL SALMON
ANNUAL MANAGEMENT REPORT, 1999

By

Jeff A. Wadle
and
Kevin Brennan

Regional Information Report¹ No. 4K01-5

Alaska Department of Fish and Game
Division of Commercial Fisheries
211 Mission Road
Kodiak, Alaska 99615

March 2001

¹The Regional Information Report Series was established in 1987 to provide an information access system for all unpublished division reports. These reports frequently serve diverse ad hoc informational purposes or archive basic uninterpreted data. To accommodate timely reporting of recently collected information, reports in this series undergo only limited internal review and may contain preliminary data; this information may be subsequently finalized and published in the formal literature. Consequently, these reports should not be cited without prior approval of the author or the Division of Commercial Fisheries.

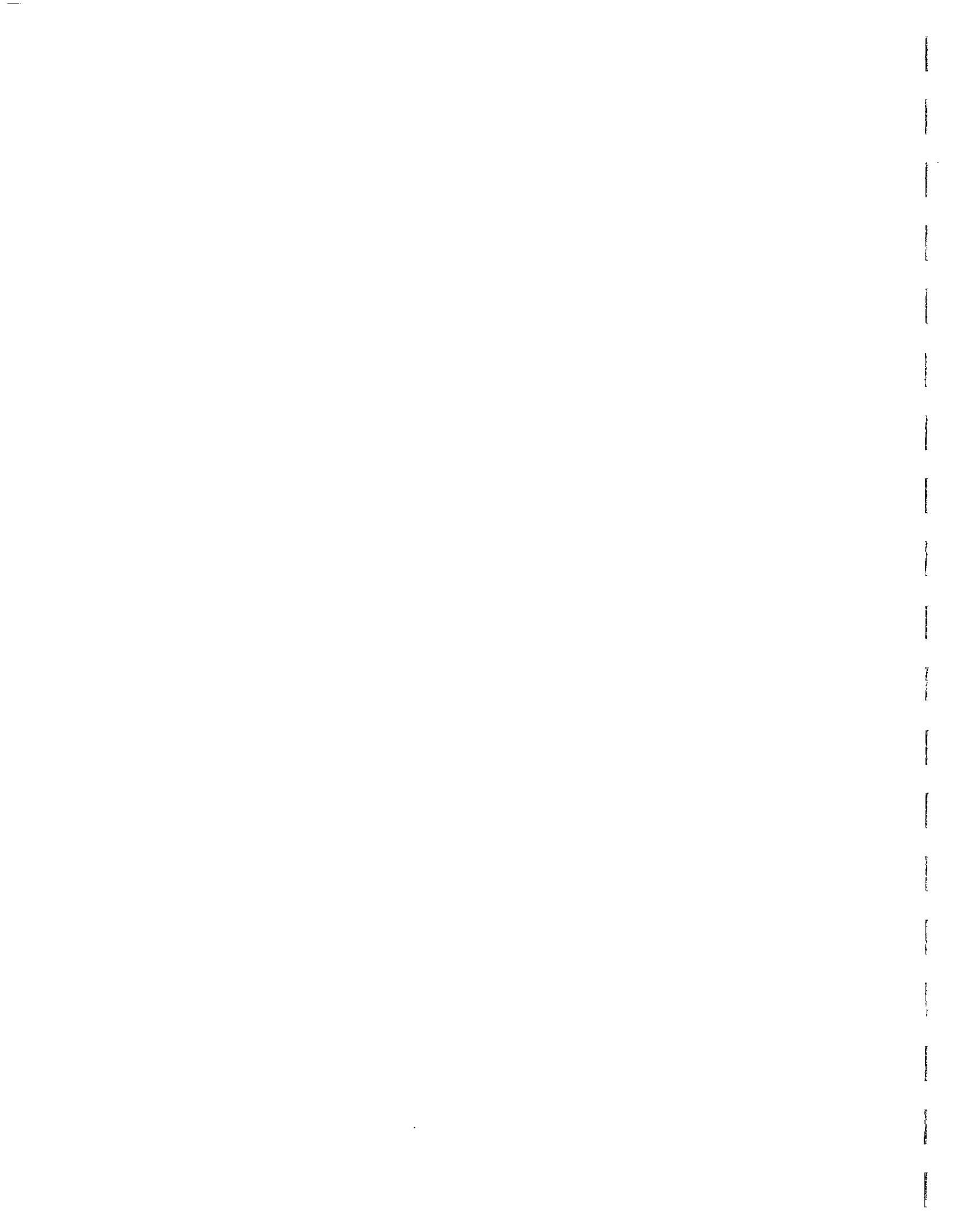
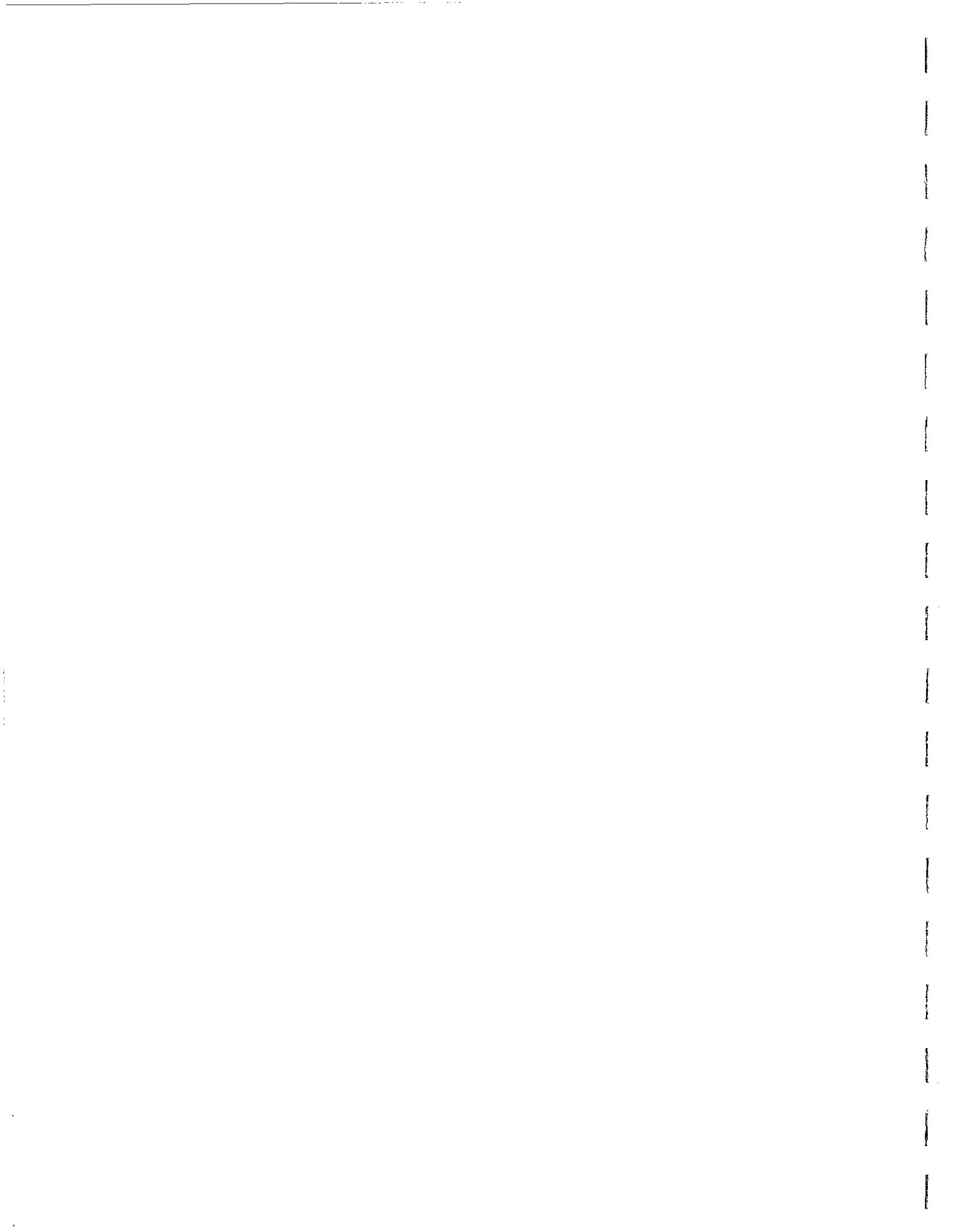


TABLE OF CONTENTS

	<u>Page</u>
LIST OF TABLES	i
LIST OF FIGURES	ii
LIST OF APPENDICES	iii
ABSTRACT	1
INTRODUCTION.....	2
KODIAK MANAGEMENT AREA DESCRIPTION AND SALMON RESOURCES.....	2
COMMERCIAL SALMON FISHING.....	3
Commercial Salmon Harvest Strategy.....	5
Board of Fisheries Approved Regulatory Management Plans	6
1999 SEASON SUMMARY.....	6
Salmon Forecasts.....	6
Harvest Strategy	6
General Harvest Information.....	7
Salmon Harvest by Species	8
Exvessel Value	9
Escapement.....	9
OTHER KODIAK MANAGEMENT AREA SALMON HARVESTS	11
Subsistence Salmon Fishery.....	11
Salmon Sport Fishery	11
LITERATURE CITED.....	13
TABLES	15
FIGURES	34
APPENDIX	37



LIST OF TABLES

<u>Table</u>		<u>Page</u>
1. Estimated number of anadromous streams with significant salmon production by district and species, in the Kodiak Management Area, 1999	15	
2. Salmon escapement goals versus 1999 estimated escapement, by species and district, in the Kodiak Management Area.....	16	
3. Potential vs. actual salmon production (wild stock) in the Kodiak Management Area, 1999	17	
4. Historical salmon catch, by species, in the Kodiak Management Area, 1882-1999.....	18	
5. Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-1999.....	21	
6. Commercial salmon harvest projections and actual harvests for the Kodiak Management Area, 1999	22	
7. Forecast of supplemental salmon runs and expected harvests compared to actual harvest in the Kodiak Management Area, 1999	24	
8. Escapement summary for systems with fish weirs in the Kodiak Management Area, 1999	25	
9. Historical indexed salmon escapements, by species, in the Kodiak Management Area, 1962-1999.....	26	
10. Board of Fisheries approved fishery management plans for the Kodiak Management Area, 1999	27	
11. Commercial salmon buyers and processors, Kodiak Management Area, 1999.....	28	
12. Commercial salmon harvest and value, by gear type and species, in the Kodiak Management Area, 1999	29	
13. Salmon average weights and average price per pound, by species, from commercial salmon fisheries of the Kodiak Management Area, 1992-1999	30	
14. Estimated commercial salmon harvest and value, by gear type, in the Kodiak Management Area, 1970-1999.....	31	
15. Subsistence salmon fishery harvest, by species, for the Kodiak Management Area, 1962-1999.....	32	
16. Sport fish salmon harvest in the Kodiak regulatory area of the Kodiak Management Area, 1977-1999.....	33	

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1. Location of the Kodiak Management Area, 1999		34
2. Map of Kodiak Island showing communities, canneries, sockeye salmon enhancement, weir and hatchery locations of the Kodiak Management Area, 1999		35
3. Commercial salmon fishery chronology, by species, in the Kodiak Management Area, 1999		36

LIST OF APPENDICES

	<u>Page</u>
APPENDIX A: DISTRICT AND SECTION MAPS	
A.1. Afognak District of the Kodiak Management Area, 1999.....	38
A.2. Northwest Kodiak District of the Kodiak Management Area, 1999	39
A.3. Southwest Kodiak and Alitak Bay Districts of the Kodiak Management Area, 1999	40
A.4. Eastside Kodiak District of the Kodiak Management Area, 1999	41
A.5. Northeast Kodiak District of the Kodiak Management Area, 1999	42
A.6. Mainland District of the Kodiak Management Area, 1999	43
APPENDIX B: COMMERCIAL SALMON FISHING PERIODS	
B.1. Commercial salmon fishing time, by district and section, in the Kodiak Management Area, 1999	44
B.2. Summary of emergency orders issued for the commercial salmon fishery in the Kodiak Management Area, 1999	45
APPENDIX C: CAPE IGVAK SALMON MANAGEMENT PLAN	
C.1. Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 1999	62
C.2. Harvest of sockeye salmon considered by regulation to be Chignik bound, in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1964 to 1999.....	65
C.3. Impact of the Cape Igvak Salmon Management Plan, 1964-1999.....	67
C.4. Purse seine daily salmon harvest, by species, for the Cape Igvak Salmon Management Plan units, 1999	68
APPENDIX D: ALITAK BAY DISTRICT SALMON MANAGEMENT PLAN	
D.I. Narrative account of the Alitak Bay District salmon fishery in the Kodiak Management Area, 1999	69

LIST OF APPENDICES (Cont.)

	<u>Page</u>
D.2. Salmon harvest, by gear type and by species, for Alitak Bay District management units, 1999.....	71
D.3. Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak Bay District of the Kodiak Management Area, 1954-1999.....	72
D.4. Sockeye salmon harvest and number of permits operating in the Alitak Bay District, by gear type and location of harvest, in the Kodiak Management Area, 1982-1999.....	73
D.5. Purse seine daily salmon harvest, by species, for the Alitak Bay District, 1999	74
D.6. Gillnet daily salmon harvest, by species, for the Alitak Bay District, 1999	79

APPENDIX E: WESTSIDE KODIAK MANAGEMENT PLAN

E.1. Narrative account of the Westside Kodiak salmon fisheries in the Kodiak Management Area, 1999	84
E.2. Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1970-1999.....	86
E.3. Commercial salmon harvest, by gear type and species, for Westside Kodiak Management Plan units, 1999	87
E.4. Purse seine daily salmon harvest, by species, for Westside Kodiak Management Plan units, 1999.....	88
E.5. Beach seine daily salmon harvest, by species, for Westside Kodiak Management Plan units, 1999	102
E.6. Gillnet daily salmon harvest, by species, for Westside Kodiak Management Plan units, 1999	103

APPENDIX F: NORTH SHELIKOF STRAIT SOCKEYE SALMON MANAGEMENT PLAN

F.1. Narrative account of the North Shelikof sockeye salmon fishery in the Kodiak Management Area, 1999	107
---	-----

LIST OF APPENDICES (Cont.)

	<u>Page</u>
F.2. Summary of fishing time, zone closures, effort, and harvest by species, for management units affected by the North Shelikof Strait Sockeye Salmon Management Plan for the Kodiak Management Area, 1990-1999.....	109
F.3. Daily salmon harvest by section and species for the Southwest Afognak management unit of the North Shelikof Strait Sockeye Salmon Management Plan, 1999	110
F.4. Daily salmon harvest by section and species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 1999	111

APPENDIX G: EASTSIDE AFOGNAK MANAGEMENT PLAN

G.1. Narrative account of the Eastside Afognak salmon fishery in the Kodiak Management Area, 1999	113
G.2. Daily salmon harvest, by species, for the Southeast Afognak Section management unit of the East Afognak Management Plan, 1999	115
G.3. Daily salmon harvest, by section and species, for the Izhut, Duck, and Kitoi Bay Section management units of the East Afognak Management Plan, 1999	116

APPENDIX H: SPIRIDON LAKE SOCKEYE SALMON MANAGEMENT PLAN

H.1. Narrative account of the Spiridon Lake sockeye salmon fishery in the Kodiak Management Area, 1999	121
H.2. Daily salmon harvest, by species and gear type, for the Spiridon Lake Terminal Harvest Area, 1999	122
H.3. Estimated commercial harvest of Spiridon Lake enhancement project sockeye salmon, by area, by week, in the Kodiak Management Area, 1999	126

APPENDIX I: EASTSIDE KODIAK SALMON MANAGEMENT PLAN

I.1. Narrative account of the Eastside Kodiak salmon fishery in the Kodiak Management Area, 1999	127
I.2. Daily commercial salmon harvest, by species, for Eastside Kodiak Management Plan units, 1999	129

LIST OF APPENDICES (Cont.)

	<u>Page</u>
APPENDIX J: NORTH AFOGNAK/SHUYAK ISLAND SALMON MANAGEMENT PLAN	
J.1. Narrative account of the North Afognak/Shuyak salmon fishery in the Kodiak Management Area, 1999	132
J.2. Daily salmon harvest, by species, for North Afognak/Shuyak Island management units, 1999.....	135
APPENDIX K: COMMERCIAL SALMON HARVEST	
K.1. Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 1999	140
APPENDIX L: ESCAPEMENT COUNTS	
L.1. Indexed peak salmon escapements by district and species for the Kodiak Management Area, 1999	149
L.2. Indexed peak salmon escapements for the Afognak District, by stream and species, in the Kodiak Management Area, 1999	150
L.3. Indexed peak salmon escapements for the Northwest Kodiak District, by stream and species, in the Kodiak Management Area, 1999.....	151
L.4. Indexed peak salmon escapements for the Southwest Kodiak District, by stream and species, in the Kodiak Management Area, 1999.....	152
L.5. Indexed peak salmon escapements for the Alitak Bay District, by stream and species, in the Kodiak Management Area, 1999	153
L.6. Indexed peak salmon escapements for the Eastside Kodiak District, by stream and species, in the Kodiak Management Area, 1999.....	154
L.7. Indexed peak salmon escapements for the Northeast Kodiak District, by stream and species, in the Kodiak Management Area, 1999.....	156
L.8. Indexed peak salmon escapements for the Mainland District, by stream and species, in the Kodiak Management Area, 1999	157

ABSTRACT

The 1999 Kodiak commercial salmon fishery began on June 9 with the last reported landing on September 23. A total of 397 permits were fished in 1999 and included 220 purse seines, 4 beach seines, and 173 set gillnets. The total salmon harvest for the Kodiak Management area included 18,299 chinook salmon *Oncorhynchus tshawytscha*, 4,652,961 sockeye salmon *O. nerka* 296,979 coho salmon *O. kisutch*, 11,898,382 pink salmon *O. gorbuscha*, and 913,867 chum salmon *O. keta*. The 1999 harvests exceeded forecasts for sockeye, pink and chum salmon; however chinook and coho salmon were below the 1999 forecast. The exvessel value for all species of salmon and all gear types (purse seine, beach seine, and set gillnet) totaled approximately 34 million dollars. Sockeye salmon escapement goals were met or exceeded in all districts except the Northwest Kodiak District. Pink salmon desired escapement goals were met or exceeded in all districts. Chum salmon escapement goals were met or exceeded in all districts except the Northeast Kodiak District which was below the lower end of the desired escapement range. Coho salmon escapement goals were met or exceeded in the Afognak Bay, Alitak, Eastside Kodiak, and Northeast Kodiak Districts. Documented coho salmon escapements in the Northwest Kodiak, Southwest Kodiak, and Mainland Districts were below the desired range. Chinook salmon escapement goals were met or exceeded in the Southwest Kodiak and Alitak Bay Districts. The subsistence fishery harvest in the Kodiak Management Area totaled 27,639 salmon which included 296 chinook, 21,867 sockeye, 4,107 coho, 1,030 pink, and 339 chum salmon. There were 1,430 permits issued in 1999. The Kodiak Management Area sport fish harvest included 6,701 chinook, 10,405 sockeye, 27,781 coho, 12,813 pink and 426 chum salmon.

INTRODUCTION

Since Alaska was granted statehood the Alaska Department of Fish and Game (ADF&G) has been charged with the management of the salmon resources of the state. The mission of the Division of Commercial Fisheries (CF) is to manage, protect, rehabilitate, enhance, and develop fisheries and aquatic plant resources in the interest of the economy and general well-being of the state, consistent with the sustained yield principle and subject to allocations established through public regulatory processes. The CF is responsible for management of the state's subsistence, commercial, and personal use fisheries, the rehabilitation and enhancement of existing fishery resources, and the development of new fisheries (ADF&G 1999).

Annual management reports of Kodiak Management Area (KMA) commercial salmon fisheries have been compiled since statehood. This report describes the KMA, provides an overview of the salmon resources, gives a brief history of the commercial fishery, and explains the current KMA commercial salmon fisheries and the various harvest strategies that are in effect throughout the commercial salmon fishing season. In addition, this report will review recent and historical harvests and effort levels.

Note: Due to the Exxon Valdez oil spill, most of the KMA remained closed to commercial salmon fishing for the entire 1989 season. Tables and graphs in this report may not include 1989 data. Where average harvest information is used, 1989 may not be included in the averages.

KODIAK MANAGEMENT AREA DESCRIPTION AND SALMON RESOURCES

The KMA comprises waters in the western Gulf of Alaska surrounding the Kodiak Archipelago, and along that portion of the Alaska Peninsula which drains into Shelikof Strait between Cape Douglas and Kilokak Rocks (Figure 1, Appendix A.1.-A.6.).

The marine waters around Kodiak Island Archipelago are among the most productive in the North Pacific. Offshore upwelling combines with abundant freshwater runoff to make nearshore waters rich in nutrients. There are over one hundred species of marine fish native to the KMA. Five species of salmon return to streams of the Kodiak Island Archipelago and the Alaska Peninsula; including chinook *Oncorhynchus tshawytscha*, sockeye *O. nerka*, pink *O. gorbuscha*, chum *O. keta*, and coho *O. kisutch* salmon.

There are approximately 800 streams within the KMA in which salmon migration or spawning has been documented (ADF&G 1993). Of these, 440 streams have been documented to support yearly spawning populations of salmon (Table 1). The remainder of the streams are small streams that may be used by pink salmon only in years with very large returns. Four streams support viable chinook salmon stocks; 39 streams support sockeye salmon stocks of varying size; 174 streams have coho salmon stocks; approximately 150 streams have chum salmon stocks; and all 440 streams support pink salmon stocks. Of these streams, 92 are located in the Mainland District on the Alaska Peninsula, 18 are on Shuyak Island, 84 are on Afognak Island, 234 are on Kodiak Island, and 12 are on the Trinity Island group.

The ADF&G salmon management and research staff have established escapement goals for each salmon species for each district, which are the estimated annual number of spawning salmon required in river to provide the greatest potential for maximum sustained yield (Table 2). Escapement goals are expressed as a range. The KMA commercial salmon fisheries are managed to achieve escapement levels that are within the established range. The "targeted" escapement goals for KMA salmon are approximately 15,000 chinook salmon, 1,710,000 sockeye salmon, 150,000 coho salmon, 3,000,000 (odd years) to 4,500,000 (even years) pink¹ salmon, and 550,000 chum salmon (Table 3).

An estimated production potential for certain KMA salmon species can be calculated by multiplying the expected escapement (the targeted goal) by an estimated average return per spawner (RPS; this can be calculated from research on escapement and subsequent returns for specific salmon stocks). The annual potential harvest can then be calculated by subtracting the specific targeted escapement goal from the production potential (Table 3). In recent years the actual RPS estimated for Kodiak's major sockeye salmon systems have approached 3.7 to 1 (Prokopowich 1995), and for Kodiak pink salmon the odd year RPS was estimated at approximately 3.0 to 1 (Swanton et al. 1993). Using these known RPS estimates, the KMA sockeye salmon annual potential harvest is estimated to be approximately 4,620,000 fish. Pink salmon potential harvest is estimated to be 6,000,000 (odd year) to 9,000,000 (even year). These values are averages around which natural survival and return will fluctuate. It is of interest to note that the actual pink salmon production in recent odd years has far exceeded this estimated potential. Record pink salmon returns have occurred in 1989, 1993, and 1995.

Two hatcheries located in the KMA continue to produce salmon to supplement natural salmon production (Figure 2). The Kodiak Regional Aquaculture Association (KRAA) operates the Kitoi Bay and Pillar Creek hatcheries. Kitoi Bay Hatchery, located on the east side of Afognak Island, produces primarily pink salmon; however, sockeye salmon, chum salmon, and coho salmon are also cultured. Out-stocking of coho salmon and sockeye salmon fry, presmolt, and smolt occurs, but the majority of the salmon are intended to return to the hatchery for common property harvest (ADF&G 1999). Pillar Creek Hatchery, located north of the city of Kodiak at Monashka Bay, is utilized primarily as an incubation facility for sockeye salmon out-stocking projects (ADF&G 1999).

COMMERCIAL SALMON FISHING

The salmon resources of the KMA have been exploited commercially for over 150 years (Roppel 1986). Commercial sockeye salmon harvest records date back to 1882 (Table 4). In 1974 a "limited entry system" was adopted by the State of Alaska that restricted the number of individuals allowed to participate in commercial salmon fisheries. There were 608 commercial salmon permits issued for the KMA in 1999: 384 purse seine (the second largest purse seine fleet in the state), 36 beach seine, and 188 set gillnet permits. Actual numbers of permits fished annually varies, possibly due to preseason perceptions of price and forecasted run strength (Table 5).

¹ Pink salmon production in individual systems tends to be large one year, then small the next. Hence the escapement goal is different between odd and even years, with odd numbered years having lower goals, and even years having higher goals.

The KMA is one of 13 designated salmon net registration areas in the State of Alaska. Inseason management of the commercial salmon fishery is structured around seven districts subdivided into 52 sections (Appendices A.1-A.6). These sections are occasionally subdivided inseason to adjust fishing effort on unexpected salmon surpluses or deficits. Each section defines a traditional geographic harvest area, managed for specific stocks or traditional fishing patterns. Divisions of sections or groups of sections or districts that are opened or closed together are referred to as management units. The Alaska Board of Fisheries has also designated three Terminal Harvest Areas (THA) within the KMA for the harvest of enhanced salmon fisheries (supplemental production).

In the KMA there are restrictions on which gear types can operate in specific management units, based on historical gear use patterns, which are formalized into regulations (ADF&G 1999). The majority of the KMA is open to seine gear only. Both purse and beach seine gear are allowed to operate in the entire management area except for the Moser-Olga Bay Section of the Alitak Bay District, where set gillnets are the only legal gear². Gillnet and seine gear are both allowed in the Central Section of the Northwest Kodiak District, making this the only section where all gear types may operate. Since 1974, the geographical areas currently open to specific gear types have, with few exceptions, remained unchanged.

Preseason salmon forecasts are developed jointly by management and research biologists. Pink salmon returns are predicted by broad geographic area, while individual forecasts are made for major sockeye salmon stocks (Geiger and Hart 1999). Projected harvests are estimated by fishery and geographic area (Table 6). These include forecasts and harvest estimates for supplemental and enhanced salmon production from stocking projects conducted by ADF&G and KRAA (Table 7).

By regulation, the commercial salmon fishing season in the KMA may extend from June 5 through October 31 (ADF&G 1999). Inseason management activities focus on daily evaluations of actual run strength in comparison to preseason expectations (escapement goals and forecasts) by species. Commercial salmon fisheries may be allowed if salmon runs appear to be surplus to escapement needs.

The majority of sockeye salmon and all chinook salmon escapement counts are obtained through the use of fish weirs (Brodie 2000). Weirs are used on up to 13 different spawning systems (Table 8; Figure 2). Escapement by species through fish weirs are hand tallied. Sonar, video, or timed periodic counts are not used. Escapement gates within the weir are closed when ADF&G personnel are not present to count. Escapement counts are transmitted daily from fish counting camps to the Kodiak ADF&G office by single side band radio. The timely and accurate data from weir camps allow for precise stock specific management. The remainder of the KMA sockeye salmon systems are monitored by aerial observation using small fixed-wing aircraft. Conversely, most pink salmon, chum salmon, and coho salmon estimates of salmon buildup and escapement counts are collected from fixed-wing aircraft surveys of bays and streams, plus a few stream foot surveys. Aerial and foot survey counts are considered an index of the actual escapement, for use inseason to aid fishery management. A "peak indexed escapement" estimate is calculated postseason for all systems

² This management unit was designated set gillnet only prior to Alaska being granted statehood. In 1970 this rule was amended such that the Moser-Olga Bay Section remains gillnet only prior to September 5. Seine gear is then legal in the entire Alitak Bay District. The Dog Salmon Flats, Inner and Outer Akalura, and the Inner and Outer Upper Station Sections are normally closed to commercial fishing. In the event of over escapement, "mop up" fisheries can occur in these sections. Prior to September 5 only set gillnet gear would be allowed in these sections.

surveyed and, together with weir escapement data, an area wide escapement estimate is made (Table 9)³.

The ADF&G management staff's inseason duties include daily contact with all salmon buyers to obtain current harvest information by area and species. Also, staff have daily contact with fishermen to discuss run strength and distribution, as well as obtaining feedback concerning inseason management activities. As the season progresses, copies of fish tickets are collected from processors and tenders, and this information is entered into a computer database. Inseason fish ticket summaries are made and compared to previous verbal reports to refine the daily catch estimates.

Additional inseason information on returning sockeye salmon run strength in the Alitak Bay District (the Frazer and Olga Lake stocks) is obtained from an ADF&G test fishery in Olga Narrows (Sagalkin and Swanton 2000). A 50 fathom gillnet is fished each day for a set time in a set location. Results are compared with past data on test fishery catches versus actual salmon runs, to help predict the number of salmon passing through Olga Narrows.

Commercial Salmon Harvest Strategy

Salmon run timing by species within the KMA follows a general chronology (Figure 3). Generally, there are "early-run" sockeye salmon present throughout June to about mid July, and "late-run" sockeye salmon are available from mid July through September. Pink and chum salmon are available from July through August. Coho salmon are generally present from August through October. Commercial salmon fisheries are structured around the seasonal abundance of salmon.

Inseason management actions follow a generalized plan described in an annually issued "Harvest Strategy" (ADF&G 1999). This strategy recognizes a specific chronology of management actions related to salmon run timing by species. Sockeye salmon are the primary species on which fisheries are targeted from June through early July; some early run chum salmon stocks may influence management in small localized areas. Pink salmon are the primary species managed for from early July through mid August, with some areas managed specifically for local sockeye salmon or chum salmon stocks. Late run sockeye, coho, and chum salmon are the primary management species from mid August through early September; and coho salmon are the primary species managed for after early September.

³ Peak indexed escapement for sockeye, chum, and coho salmon is simply the highest daily aerial or foot survey count for each system for each year. For pink salmon, peak indexed escapement of each stream surveyed is estimated as the larger of either the highest daily survey count or the sum of two counts which are 30 or more days apart. This is done to compensate for the longer stream life of pink salmon. Expansion of aerial or foot survey counts to estimate total run strength can be accomplished by various methods, and is done postseason by research staff. All escapement values in past Annual Management Reports are total counts from weirs plus peak index counts, and this document follows that pattern.

Board of Fisheries Approved Regulatory Management Plans

Several Alaska Board of Fisheries (BOF) approved "Management Plans" (MP), that describe biological and allocative constraints, guide the KMA staff when structuring commercial salmon fisheries. These plans are part of the Kodiak Area Commercial Salmon Fishery Regulations (ADF&G 1999). Nine regulatory MPs were in effect for the KMA in 1999 (Table 10). These management plans reflect traditional fishing opportunities and the subsequent harvest allocations that have resulted between and within gear types participating in specific fisheries.

Five plans establish the harvest strategies which have developed over time to maintain the biological integrity of local salmon stocks and the allocative concerns of local KMA fishers. These plans include the Alitak Bay District Salmon MP, the Westside Kodiak MP, the Eastside Afognak MP, the Eastside Kodiak Salmon MP, and the North Afognak / Shuyak Island Salmon MP. The Cape Igvak Salmon MP and the North Shelikof Strait Sockeye Salmon MP affect Kodiak purse seine fishers opportunity to target on salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet Management Areas. The Crescent Lake Coho Salmon MP, and the Spiridon Lake Sockeye Salmon MP allocate stocked salmon from put-and-take fisheries developed by the ADF&G and the KRAA. Normally, the intent of these plans is to provide the harvest of the majority of salmon in traditional fisheries located in management units covered by the plans.

1999 SEASON SUMMARY

Salmon Forecasts

The 1999 forecasted commercial harvest of sockeye salmon was approximately 3.5 million fish (Table 6). This projection included formal forecasts for the major sockeye salmon systems of Karluk, Upper Station, Ayakulik, and Dog Salmon, plus estimated harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), the Cape Igvak Section harvest of sockeye salmon considered by regulations to be Chignik bound, and "other" miscellaneous systems. The total 1999 KMA pink salmon harvest forecast was 9.5 million fish. This included a forecasted harvest of 7.1 million natural or wild stock pink salmon, plus 2.4 million hatchery produced pink salmon. Preseason forecasts also predicted a harvest of 500,000 chum salmon, 350,000 coho salmon, and 20,000 chinook salmon. These estimates include supplemental production of chum and coho salmon from enhancement projects (Table 7).

Harvest Strategy

The 1999 Kodiak Area Commercial Salmon Fishery Harvest Strategy was released in May 1999 (Prokopowich 1999). This document contained a synopsis of the expected chronology of the 1999 commercial salmon fisheries by species, projections on expected escapements and harvests, an overview of selected regulations in effect, and a description of the regulatory plans which guide management throughout the season.

The harvest strategy listed June 9 as the initial opening date of the salmon fishery in order to target early-run sockeye salmon. The areas to be opened included the Alitak Bay and Northwest Kodiak

Districts, with the results of this 33 hour commercial test fishery (no extensions) to be used as a management tool to evaluate the actual run strength of the Karluk, Ayakulik, Frazer, and Upper Station early-run sockeye salmon stocks. June 9 was also listed as the initial opening date for enhanced early run sockeye salmon stocks (supplemental production) in the Foul Bay and Waterfall Bay THAs, and the Duck, Izhut, and Kitoi Bay Sections. Further, because of strong sockeye salmon runs to the Afognak River in recent years, the harvest strategy stated that the Southeast Afognak Section might also open as early as June 9. The second fishing period was scheduled for June 14, with extensions possible if sockeye salmon escapements were within or above desired levels. Additionally, it was noted that during the second period more areas generally open, if sockeye salmon escapements to local minor systems were good. After June 15 additional fishing time was to be based solely on the strength of the sockeye salmon runs, as determined by escapements. The initial fishing period targeting pink salmon was listed as July 6, and projected weekly fishing periods for the months of July and August were given. The initial "general pink salmon opening" was set at 3 $\frac{1}{2}$ days, with fishing periods following in July and August set at 4 $\frac{1}{2}$ days per week, based on the predicted pink and chum salmon run strength.

General Harvest Information

The 1999 KMA commercial salmon season began on June 9. Fisheries occurred over a 116 day period, with the last reported landing on September 23 (Appendix B.1.). In 1999, 43 Emergency Orders were released inseason, describing hundreds of individual management actions (Appendix B.2.).

Throughout the 1999 season a total of 13 different shorebased buyers and/or processors, representing 12 companies were involved in the fishery (Table 11). Of 608 eligible limited entry permit holders, only 397 (65.6%) actually participated in 1999, making 14,926 deliveries (Tables 5 and 12). By gear type, a total of 220 purse seine⁴, 4 beach seine, and 173 set gillnet permit holders fished. The preseason forecasted harvest of 13.87 million salmon was exceeded, with the actual harvest at 17.78 million salmon, of which purse seine fishers harvested approximately 84%, set gillnet fishers caught almost 16%, and beach seine fishers took less than 0.5%. Also, the ADF&G operated a test fishery in the Alitak Bay District, using a small gillnet. Twenty eight landings were made, harvesting approximately 2,300 salmon.

As mentioned previously, there are several regulatory management plans and harvest strategies that influence the management of the KMA salmon fisheries. Specifics on each of these management plans and harvest statistics for the 1999 KMA salmon fisheries that occurred in accordance with them are described in detail in the following Appendices:

- Appendix C - The Cape Igvak Salmon Management Plan (5AAC 18.360)
- Appendix D - The Alitak Bay District Salmon Management Plan (5AAC 18.361)
- Appendix E - The Westside Kodiak Management Plan (5AAC 18.362)
- Appendix F - The North Shelikof Strait Sockeye Salmon Management Plan (5AAC 18.363)
- Appendix G - The Eastside Afognak Management Plan (5AAC 18.365)

⁴ Purse seine permit holder activity in the 1998 and 1999 KMA salmon fisheries was the lowest since limited entry has been in effect (Table 5).

- Appendix H - The Spiridon Lake Sockeye Salmon Management Plan (5AAC 18.366)
- Appendix I - The Eastside Kodiak Salmon Management Plan (5AAC 18.367)
- Appendix J - The North Afognak/Shuyak Island Salmon Management Plan (5AAC 18.368)

Appendix K contains a detailed table of the 1999 commercial salmon harvest in the KMA, broken down by catch by week for each management unit, all gear combined.

Salmon Harvest by Species

There are no directed commercial fisheries for chinook salmon in the KMA. Any commercial harvest of chinook salmon occurs incidentally in fisheries targeting sockeye and pink salmon. In 1999 approximately 18,299 chinook salmon were harvested in the KMA, with an individual average weight of 12.71 pounds (Tables 12 and 13). The harvest was below the preseason expectation of 20,000 fish and below the previous 10-year average harvest (1988-1998)⁵ of 21,693 chinook salmon (Table 4).

The 1999 commercial sockeye salmon harvest, including the Moser Bay test fishery, was 4,652,961 fish, the salmon had an individual average weight of 5.26 pounds (Tables 12 and 13). The actual harvest was above the preseason forecast of 3,500,000 sockeye salmon, and above the previous 10-year average harvest (1988-1998)⁵ of 4,119,276 sockeye salmon (Tables 4 and 6). Both the early-run and late-run sockeye salmon fisheries were above the projected 1999 harvest.

The 1999 commercial pink salmon harvest of 11,898,382 fish, including the Moser Bay test fishery, which had an individual average weight of 3.05 pounds (Table 12 and 13), was above the preseason forecast of 9,500,000 but below the ten year average of 15,803,443 (Tables 4 and 6). Wild stock pink salmon production was below expectations in Westside Kodiak and Mainland sections, but well above projections in the Afognak, Alitak, and Eastside/Northend Kodiak areas (Table 6). The Kitioi Bay Hatchery return was substantially more than forecast, producing a harvest over 4,050,000 pink salmon, which was well above the forecasted harvest of 2,400,000.

The 1999 commercial chum salmon harvest was 913,867 fish, averaging 7.92 pounds each (Table 12 and 13), and was above the preseason harvest expectation of 500,000 fish (Table 6). This chum harvest was the highest since 1995, and was above the previous 10-year average harvest (1988-1998)⁶ of 805,154 chum salmon (Table 4).

A total of 296,979 coho salmon were commercially harvested in 1999, with an individual average weight of 7.41 pounds (Table 12 and 13). This harvest was below the preseason harvest expectation of 350,000 coho salmon (Table 6), and was below the previous 10-year average harvest (1988-1998)⁶ of 311,284 coho salmon (Table 4).

⁵ 1989 not included in averages, due to closure of the majority of the KMA in response to the Exxon Valdez oil spill.

Exvessel Value

The exvessel value of the KMA commercial salmon fishery represents the average price paid to permit holders and generally does not include tender fees. Since the early 1970s the overall exvessel value of the KMA commercial salmon fishery has ranged from a low of \$2,094,000 (1973) to a high of \$103,816,900 (1988) for all permit holders combined (Table 14). The average exvessel value for the previous ten years (1988-1998)⁶ is \$43,696,940. The estimated exvessel value of the 1999 salmon harvest was \$34,090,487 (Table 12 and 14). Purse seine harvest accounted for approximately 71% of the total exvessel value, averaging \$109,272 for each permit fished. Beach seine harvest accounted for less than 1% of the value, averaging \$7,308 per permit fished. Set gillnet harvest accounted for approximately 29% of the total value, averaging \$57,928 per permit (Table 12 and 14). By species, in 1999 the chinook salmon harvest was worth approximately \$158,000 (< 1%), the sockeye salmon harvest was worth \$26,596,000 (77%), pink salmon \$5,091,000 (15%), chum salmon \$1,357,000 (4%), and coho salmon was worth \$889,000 (3%).

Escapement

In 1999 fish counting weirs were operated on the major systems of Karluk Lake (at Karluk Lagoon), Red Lake (at the Ayakulik River outlet), Frazer Lake (at the Dog Salmon River outlet), and Olga Lakes (at the outlet of Olga Creek at Upper Station), and also on the smaller systems of Afognak Lake (at Litnik), Buskin Lake, Saltery Lake, Laura Lake (at Pauls Bay), Malina Lake, Little Kitoi Lake, and at Bear Creek on Shuyak Island (Table 8, Figure 2). In 1999 eight observers flew 33 aerial surveys of KMA streams, and 11 observers completed approximately 20 foot surveys of streams. A total of 392 escapement observations were made in 1999 (Appendix L.1 - L.8.).

The KMA chinook salmon indexed escapement totaled 26,872 fish in 1999 (Table 2). The overall chinook salmon escapement goal was achieved, as were the individual goals for the Ayakulik, Karluk, and Dog Salmon Rivers. The Ayakulik River escapement was 13,503 chinook salmon, exceeding the escapement goal range of 6,500 to 10,000. The Karluk River escapement was 13,063 chinook salmon, exceeding the escapement goal range of 4,500 to 8,000. The Dog Salmon River escapement was 281 chinook salmon, meeting the established escapement range of 110 to 330. Also, 10 chinook salmon were counted in the Buskin River (these were returns to a stocking program begun by Sport Fish Division as a put-and-take sport fishery), and 15 chinook salmon were counted in other systems (one through the Upper Station weir, six through the Saltery weir and eight through the Litnik weir).

Sockeye salmon escapements for major and selected minor systems were monitored through the use of fish counting weirs (Table 8). Fish counted into weired systems accounted for about 92% of all documented sockeye salmon escapement in 1999. A total of 1,979,754 sockeye salmon were counted through KMA weirs. An additional 139,415 sockeye salmon were estimated by aerial survey as escapement into other systems such as Kaflia Lake, Uganik Lake, Little River Lake, and Swikshak Lagoon, bringing the 1999 total indexed sockeye salmon escapement to 2,119,169 fish (Table 2). The escapement goal range for all systems is 1,338,000 to 2,014,000 sockeye salmon.

⁶ 1989 not included in averages, due to closure of the majority of the KMA in response to the Exxon Valdez oil spill.

The 1999 pink salmon escapements in the Afognak, Northwest Kodiak, Southwest Kodiak, Alitak Bay, Eastside Kodiak, and Northeast Kodiak Districts all exceeded the desired escapement goals. The Mainland District had escapements near the upper end of the escapement goal. The majority of pink salmon escapements are monitored by aerial survey, with just under 10% of the 1999 pink salmon escapement occurring in weired systems. Pink salmon escapements overall totaled 4,081,686, exceeding the odd year upper escapement goal (range 1,007,000 to 3,021,000 pink salmon; Table 2).

The 1999 chum salmon escapements in the Northwest Kodiak, Southwest Kodiak, Alitak Bay, Eastside Kodiak, and Mainland Districts all met or exceeded the desired escapement goals. The majority of chum salmon escapement counts came from aerial surveys, with less than 9% of the 1999 chum escapement entering into weired systems. Aerial counts of chum salmon are subject to greater error than pink salmon counts in the KMA. Chum salmon migrate into small sloughs and side creeks as well as into major river systems, and also may occupy more turbid or muddier systems, making observations difficult. Further, several major KMA chum salmon systems along Kodiak's westside or along the Alaska Peninsula are very remote, limiting aerial observations. Aerial survey counts of chum salmon for the KMA are considered minimum estimates of actual escapement. Area wide, the indexed chum salmon escapement of 882,257 fish exceeded the escapement goal range of 273,000 to 819,000 fish (Table 2). Chum salmon escapements to Northeast Kodiak District streams appeared poor, with the indexed escapement below the lower range of the escapement goal range. In the Southwest Kodiak District the Sturgeon River chum salmon escapement appeared strong with the estimated escapement near the upper range of the escapement goal. Alitak Bay District chum escapements appeared excellent, coming well over the escapement goal range. Chum escapements were also excellent for streams located on the east side of Kodiak Island. Chum escapement along the Mainland District were strong.

Estimating coho salmon escapements to KMA streams has many of the same limitations listed above for chum salmon escapement surveys. In addition, coho salmon often do not migrate into streams to spawn until late in the fall when rains raise water levels as well as clouding stream water clarity. It is recognized that coho escapements continue until late in the year (often into November), and late season escapement surveys are always limited by budget constraints. As a result, escapement goals developed for coho salmon systems are considered interim goals; that is, the established goals relate to the desired escapement up to early to mid September. Achievement of these escapement goals is indicative of a good coho run, rather than estimating the total escapement. Many of the major and minor coho salmon systems are weired, with fish counted into weired systems accounting for 49% of the documented coho escapement (Table 8). Overall, coho salmon escapements appeared fair, with the escapement estimation total of 133,398 near the middle of the 90,475 to 150,155 escapement goal range (Table 2). The desired range was met or exceeded in streams within most districts. The exceptions include the Mainland, Southwest Kodiak, and Northwest Kodiak Districts. The low escapement estimates were probably due to a lack of surveys rather than weak coho salmon runs.

OTHER KODIAK MANAGEMENT AREA SALMON HARVESTS

Subsistence Salmon Fishery

Subsistence is the priority use of the salmon resources of the state of Alaska. Subsistence salmon permits, available only to Alaska State residents, are issued annually to obtain harvest data. Since 1989 Kodiak ADF&G staff has mailed out permits, regulations, and a map showing closed water areas to eligible residents, and additional permits are issued to Alaska residents at the Kodiak ADF&G office. Subsistence fishers are requested to return their permits to ADF&G after the salmon season, listing areas fished by date and salmon harvest by species. With few restrictions, the entire KMA is open to subsistence salmon fishing. Only the freshwater systems of Afognak Island (which are relatively small, easily accessible and at risk of overexploitation) and some areas near heavily exploited salmon systems are closed to subsistence fishing for salmon (ADF&G 1999).

Reported subsistence salmon harvests averaged 31,074 fish annually for the 10-year period 1990-1999 (Table 15). Sockeye salmon have accounted for 71% of the harvest (22,198), followed by coho salmon at 22% (6,684), pink salmon at 5% (1,478), chum salmon at 1% (461), and chinook salmon at 1% (253). In 1999 the reported subsistence harvest was 27,639 salmon. Subsistence fishers reported harvesting 21,867 sockeye salmon, 4,107 coho salmon, 1,030 pink salmon, 339 chum salmon and 296 chinook salmon. All salmon species harvests were above the previous 10-year average. The most utilized subsistence fishery areas include the north end of Kodiak Island, the Buskin River the Pasagshak River, and the southeast side of Afognak Island at Afognak Bay (Figure 2).

Salmon Sport Fishery

Since the early 1980s recreational and commercial sport fishing activities have increased, particularly in remote areas of the KMA. Commercial sport activity includes lodge operations, charter vessels, guiding, and directed air charter flights. Although sport caught salmon may not be sold, the lodge, guiding, and charter activities may be considered commercial uses because the owner is compensated monetarily for directing and providing fishing opportunities. Many charter boat operations are based out of the city of Kodiak, and the number of charter boat operations is increasing. Remote lodges are currently being operated at Karluk Lagoon, Ayakulik River mouth, Olga Bay, Larsen Bay, Old Harbor, Saltery Lake, Port Lions, Port Bailey, Raspberry Strait, Seal Bay, Port Williams, Zachar Bay, Uyak Bay, Ugak Bay, Uganik Bay, and Kukak Bay. Floating cabins are located in Karluk Lagoon and Paramanof Bay. Air charter operations from Kodiak and Homer bring sport fishers to KMA streams, as do aircraft from sport fishing lodges in Bristol Bay, the Alaska Peninsula, and the Kenai Peninsula. Fly in sport fishing areas include virtually all KMA chinook salmon and sockeye salmon systems, and most major coho salmon systems.

The ADF&G Sport Fish Division manages sport fishing activities. The KMA sport fishery salmon harvest is estimated by an annual Sport Fish Division statewide mailout survey. The sport fish harvest statistics are compiled by sport fish regulatory area, which do not correspond to commercial fishery area boundaries. Kodiak Archipelago sport fishery statistics are compiled, but the fisheries that occur in the Mainland District are combined with north and south Alaska Peninsula and Aleutian Island area statistics. Only Kodiak Archipelago sport fish statistics are given in this report.

Based on recent five year period totals, harvests of chinook salmon, sockeye salmon, and coho salmon have increased, while harvests of pink salmon and chum salmon have decreased (Table 16). The estimated 1999 Kodiak Archipelago sport harvest⁷ was 6,291 chinook salmon, 10,405 sockeye salmon, 27,781 coho salmon, 12,813 pink salmon, and 426 chum salmon. Sport fish effort, as measured by angler days, has steadily increased in the Kodiak regulatory area (Howe et al. 1998). The most popular sport fishery, based on angler effort, is the fresh and marine water fishery adjacent to the Kodiak road system. An increase in effort and harvest of chinook salmon has occurred at both the Karluk and Ayakulik Rivers, and since 1992 a chinook salmon troll sport fishery has developed in Chiniak Bay (Schwarz *in press*).

⁷ This represents estimates of fish landed and kept, and does not include estimates of catch and release.

LITERATURE CITED

- ADF&G (Alaska Department of Fish and Game). 1993. An atlas to the catalog of waters important for spawning, rearing, or migration of anadromous fishes; Southwestern Region, Resource Management Region III. Alaska Department of Fish and Game, Division of Habitat, Anchorage. Revised Feb. 11, 1993.
- ADF&G (Alaska Department of Fish and Game). 1998. Regulations of the Alaska Board of Fisheries for Statewide Subsistence and Personal Use Finfish and Shellfish Fishing in Alaska; 1998-1999. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Juneau.
- ADF&G (Alaska Department of Fish and Game). 1999. Regulations of the Alaska Board of Fisheries for Commercial Fishing in Alaska; 1999-2001 Cook Inlet, Kodiak, and Chignik Areas. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Juneau.
- Barrett, B.M. 1989. North Shelikof Strait 1988 sockeye catch distribution, timing, and stock composition. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K88-6, Kodiak.
- Barrett, B.M., C.O. Swanton, and P.A. Roche. 1990. An estimate of the 1989 Kodiak Management Area salmon catch, escapement, and run numbers had there been a normal fishery without the Exxon Valdez oil spill. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K90-35, Kodiak.
- Brodie, J.R. 2000. Kodiak Management Area salmon escapement cumulative counts for fish-weirs, 1990-1999. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K00-51, Kodiak.
- Geiger, H.J., and D. Hart. 1999. Run forecast and harvest projections for 1999 Alaska salmon fisheries and review of the 1998 season. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 5J99-06, Juneau.
- Hall, A., S.G. Honnold, J.N. McCullough, and S.T. Schrof. 1999. Kitoi hatchery annual Management plan, 1999. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K99-43, Kodiak.
- Honnold, S.G. Little Waterfall Creek barrier bypass improvement: Pink *Oncorhynchus gorbuscha* and coho salmon *Oncorhynchus kisutch* habitat enhancement. 1999. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K99-57, Kodiak.
- Howe, A.L., G. Fidler, C. Olnes, A.E. Bingham, and M.J. Mills. 1998. Harvest, catch, and participation in Alaska sport fisheries during 1997. Alaska Department of Fish and Game, Division of Sport Fish, Fishery Data Series No. 98-25, Anchorage.

LITERATURE CITED (Cont.)

- Malloy, L.M., and D.L. Prokopowich. 1992. Kodiak management area annual finfish management report, 1988. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-7, Kodiak.
- Prokopowich, D.L., K. Brennan, and D.R. Gretsch. 1992. 1992 harvest strategy, Kodiak area commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-24, Kodiak.
- Prokopowich, D.L. 1995. An overview of the Kodiak Management Area commercial salmon fisheries with an emphasis on management activities, harvest strategies, historical harvests, and effort distribution during July. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K95-43, Kodiak.
- Prokopowich, D.L. 1999. Kodiak area commercial salmon fishery harvest strategy, 1997. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K99-38, Kodiak.
- Roppel, P. 1986. Salmon from Kodiak: a history of the salmon fishery of Kodiak Island, Alaska. Alaska Historic Commission, Studies in History No. 216. Anchorage.
- Sagalkin, N. and C. Swanton. 2000. The Moser-Olga Bay test fishery: research, historical perspective, and management importance. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K00-29.
- Schrof, S.T., S.G. Honnold, C.J. Hicks and J. A. Wadle. A Summary of salmon enhancement, rehabilitation, evaluation, and monitoring efforts conducted in the Kodiak Management Area through 1998. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K00-57.
- Schwarz, L.J., D. Tracy, and M. Clapsadl. *In press*. Area Management Report for the recreational fisheries of the Kodiak and Alaska Peninsula/Aleutian Islands Regulatory Areas, 1999. Alaska Department of Fish and Game, Division of Sport Fish, Fishery Management Report, Anchorage.
- Simon, R.J., J. Lechner, M.F. Eaton, and P.B. Jackson. 1969. Kodiak Management Area Annual Report, 1969. State of Alaska, Division of Commercial Fisheries, Region IV Report (unpublished), Kodiak.
- Swanton, C.O., T.J. Dalton, B.M. Barrett, D. Pengilly, K.R. Brennan, and P.A. Nelson. 1993. Effects of pink salmon *Oncorhynchus gorbuscha* escapement level on egg retention, preemergent fry, and adult returns to the Kodiak and Chignik Management Areas caused by the Exxon Valdez oil spill. Alaska Department of Fish and Game, Division of Commercial Fisheries Management and Development, Fish/Shellfish Study Number 7B and 8B Final Report, Kodiak.

Table 1. Estimated number of anadromous streams with significant salmon production by district and species, in the Kodiak Management Area, 1999.

Management District	Number of Streams ^a	Number of Streams with Each Species ^b				
		Chinook	Sockeye	Coho	Pink	Chum
Afognak	102	0	13	48	102	5
Northwest Kodiak	63	0	4	22	63	23
Southwest Kodiak	11	2	2	10	11	6
Alitak	30	1	5	15	30	14
Eastside Kodiak	116	1	8	32	116	47
Northeast Kodiak	26	0	1	20	26	9
Mainland	92	0	6	27	92	46
TOTAL	440	4	39	174	440	150

^a The State of Alaska's Habitat Division identifies over 800 streams in the Kodiak Management Area which have documented use by anadromous fish (ADF&G 1993). Many of these streams are very small and may only be used by pink salmon in years with very large returns. The streams identified in this table are depicted on the 1999 Kodiak Area salmon statistical map, and have documentable use each year.

^b These estimates are based on current knowledge and, in fact, are expected to change as more system specific data is collected.

Table 2. Salmon escapement goals versus 1999 estimated escapement, by species and district, in the Kodiak Management Area.

DISTRICT	SOCKEYE ESCAPEMENT		PINK ESCAPEMENT		CHUM ESCAPEMENT		COHO ESCAPEMENT		CHINOOK ESCAPEMENT	
	GOAL	ACTUAL	ODD YEAR GOAL	ACTUAL	GOAL	ACTUAL	GOAL	ACTUAL	GOAL	ACTUAL
	Lower Upper		Lower Upper		Lower Upper		Lower Upper		Lower Upper	
AFOGNAK	80,000	166,660	80,000	491,801			5,107	13,500	44,000	8
	146,000		240,000					23,600		
NORTHWEST	56,000	33,590	220,000	683,561	46,000	76,300	9,000	4,630	0	0
	90,000		660,000		138,000		14,000			
SOUTHWEST	750,000	1,277,255	30,000	93,628	25,000	73,850	33,000	26,375	11,000	26,566
	1,100,000		90,000		75,000		52,000		18,000	
ALITAK	386,000	509,382	212,000	965,492	26,000	124,549	10,500	14,018	110	282
	550,000		636,000		78,000		20,000		330	
EASTSIDE	27,000	84,321	140,000	772,482	35,000	289,820	10,000	29,735		6
	60,000		420,000		105,000		15,000			
NORTHEAST	8,000	10,811	110,000	454,022	8,000	2,031	10,475	13,640		10
	13,000		330,000		24,000		16,555			
MAINLAND	31,000	37,150	215,000	620,700	133,000	310,600	4,000	1,000		0
	55,000		645,000		399,000		9,000			
TOTAL	1,338,000	2,119,169	1,007,000	4,081,686	273,000	882,257	90,475	133,398	11,110	26,872
	2,014,000		3,021,000		819,000		150,155		18,330	

Table 3. Potential vs. actual salmon production (wild stock) in the Kodiak Management Area, 1999.

SPECIES	PRODUCTION POTENTIAL			HARVEST		
	LONG TERM AVERAGE			POTENTIAL	ACTUAL	
	Targeted Escapement Goal ^a	Return Per Spawner ^b	Potential Total Return	Long Term Average (Total Return minus Targeted Escapement)	51 Year Average (1948-1999) ^c	10 Year Average (1990-1999) ^c
CHINOOK	15,000	2.5	37,500	22,500	5,900	21,600
SOCKEYE	1,710,000	3.7	6,327,000	4,617,000	1,441,300	4,261,300
COHO	150,000	2.5	375,000	225,000	120,400	312,000
PINK						
<i>Odd Year</i>	3,000,000	3.0	9,000,000	6,000,000	8,951,200	23,286,400
<i>Even Year</i>	4,500,000	3.0	13,500,000	9,000,000	8,951,800	8,600,000
CHUM	550,000	2.8	1,540,000	990,000	766,300	743,000
TOTAL						
<i>Odd Year</i>					11,285,100	28,624,300
<i>Even Year</i>					11,285,700	13,937,900

^a The expected indexed escapement within the established escapement goal range. KMA fisheries are normally managed to achieve this level of escapement.

^b Return per spawner (RPS) will vary each year. These values are averages around which natural survival and return will fluctuate. RPS for sockeye salmon from Prokopowich 1995, for pink salmon from Swanton et al 1993, and all others from B. Barrett, ADF&G (retired), Kodiak, personal communication, October 1993.

^c 1989 harvest data not included in averages. Fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill.

Table 4. Historical salmon catch, by species, in the Kodiak Management Area, 1882-1999.

Year ^a	Chinook	Sockeye	Coho	Pink	Chum	TOTAL
1882		58,800				58,800
1883		188,706				188,706
1884		282,184				282,184
1885		468,580				468,580
1886		646,100				646,100
1887		1,004,500				1,004,500
1888		2,781,100				2,781,100
1889		3,754,735				3,754,735
1890		3,592,707				3,592,707
1891		3,846,388				3,846,388
1892		3,126,459				3,126,459
1893		3,244,609				3,244,609
1894		3,830,336				3,830,336
1895		2,246,966	8,321			2,255,287
1896		3,328,846				3,328,846
1897		2,785,515	1,500			2,787,015
1898		2,033,094	19,175			2,052,269
1899	1,104	1,934,771	32,475			1,968,350
1900	4,838	3,450,480	32,239			3,487,557
1901	3,838	4,826,159		2,015		4,832,012
1902	2,932	3,868,101	34,972			3,906,005
1903	1,187	1,826,163	119,541	10,000		1,956,891
1904	3,190	2,875,118	103,136	5,180		2,986,624
1905	2,496	2,142,367	86,913			2,231,776
1906	3,640	3,980,462	23,738			4,007,840
1907	4,015	4,232,454	38,059			4,274,528
1908	3,028	2,487,848	73,789	286,374		2,851,039
1909	3,907	1,915,230	51,500	153,595		2,124,232
1910	1,598	1,954,717	44,291	215,382		2,215,988
1911	689	2,685,949	21,870	229,551	6,492	2,944,551
1912	686	2,246,467	17,491	547,171	24,588	2,836,403
1913	1,082	1,663,163	27,634	590,039	3,822	2,285,740
1914	1,329	1,255,444	32,063	1,726,411	13,094	3,028,341
1915	939	1,664,426	51,819	252,073	20,331	1,989,588
1916	1,038	3,373,055	49,683	3,181,890	28,962	6,634,628
1917	1,457	3,645,914	30,485	225,335	15,961	3,919,152
1918	2,021	1,894,466	78,169	2,467,325	81,699	4,523,680
1919	1,831	1,619,101	104,233	282,715	60,102	2,067,982
1920	1,637	1,957,636	88,970	1,977,421	55,175	4,080,839
1921	660	2,857,922	45,764	67,688	24,779	2,996,813
1922	703	1,097,359	119,724	2,766,257	223,970	4,208,013
1923	1,915	1,090,117	77,554	928,510	38,653	2,136,749
1924	1,002	1,407,525	120,686	5,435,091	117,883	7,082,187
1925	1,911	1,693,057	92,960	2,673,675	212,492	4,674,095
1926	596	3,015,366	174,475	4,606,694	324,706	8,121,837
1927	4,358	1,155,202	151,548	5,297,305	417,956	7,026,369
1928	2,546	1,592,003	290,645	1,535,313	726,480	4,146,987
1929	3,200	712,126	144,226	6,108,402	1,057,662	8,025,616
1930	4,991	466,409	228,800	1,651,398	419,011	2,770,609

-Continued-

Table 4. (page 2 of 3)

Year ^a	Chinook	Sockeye	Coho	Pink	Chum	TOTAL
1931	1,541	1,183,074	170,075	6,839,906	183,737	8,378,333
1932	1,873	1,058,446	52,192	4,719,939	237,023	6,069,473
1933	1,140	1,428,373	91,428	6,573,660	536,935	8,631,536
1934	1,300	1,828,953	89,588	7,641,891	661,341	10,223,073
1935	1,393	1,613,519	76,849	10,780,612	381,753	12,854,126
1936	2,548	2,657,195	183,903	5,647,726	328,218	8,819,590
1937	1,257	1,881,304	164,902	16,787,150	346,238	19,180,851
1938	1,232	1,965,943	154,959	8,397,981	640,119	11,160,234
1939	2,272	1,786,445	112,171	11,741,218	641,693	14,283,799
1940	1,233	1,318,233	148,016	9,997,899	673,265	12,138,646
1941	2,571	1,730,201	199,515	7,601,531	444,521	9,978,339
1942	1,329	1,281,529	106,865	6,092,526	564,924	8,047,173
1943	1,133	1,990,557	59,661	12,479,608	454,205	14,985,164
1944	668	1,817,875	51,675	4,955,354	506,703	7,332,275
1945	2,021	2,041,090	60,122	9,044,544	559,332	11,707,109
1946	129	838,863	56,425	9,545,871	298,486	10,739,774
1947	99	993,394	76,230	8,856,666	294,518	10,220,907
1948	1,401	1,260,465	32,364	5,968,487	330,795	7,593,512
1949	851	892,336	53,737	4,927,779	699,548	6,574,251
1950	2,127	920,885	40,653	5,304,701	685,109	6,953,475
1951	2,402	467,875	48,792	2,100,377	483,057	3,102,503
1952	1,081	603,677	51,567	4,576,726	1,243,227	6,476,278
1953	2,991	317,150	41,681	5,174,645	547,574	6,084,041
1954	942	325,157	66,430	8,439,231	1,250,833	10,082,593
1955	2,428	164,482	34,582	10,794,164	482,425	11,478,081
1956	1,123	271,249	52,844	3,318,841	705,047	4,349,104
1957	1,030	234,253	34,995	4,716,482	1,208,472	6,195,232
1958	1,942	288,014	20,555	4,038,938	930,698	5,280,147
1959	1,837	330,087	14,512	1,967,058	733,784	3,047,278
1960	1,238	362,525	54,308	6,737,817	1,300,386	8,456,274
1961	864	407,979	28,579	3,926,023	518,935	4,882,380
1962	1,095	784,664	54,583	14,113,851	794,727	15,748,920
1963	286	407,040	57,011	5,480,158	305,061	6,249,556
1964	1,306	498,488	35,535	12,044,341	1,134,163	13,713,833
1965	786	346,237	26,672	2,886,831	431,340	3,691,866
1966	599	631,646	67,700	10,755,582	762,766	12,218,293
1967	1,753	308,756	10,354	187,813	226,681	735,357
1968	1,936	760,393	56,629	8,768,122	750,428	10,337,508
1969	2,469	591,481	48,759	12,500,823	534,933	13,678,465
1970	1,089	917,045	66,421	12,036,598	919,102	13,940,255
1971	920	478,479	22,844	4,332,994	1,541,444	6,376,681
1972	1,300	222,800	16,588	2,485,802	1,163,772	3,890,262
1973	800	167,341	3,573	518,692	317,921	1,008,327
1974	545	418,761	13,631	2,646,087	249,294	3,328,318
1975	101	136,418	23,659	2,942,801	84,431	3,187,410
1976	766	641,484	23,714	11,077,992	740,495	12,484,451
1977	585	623,468	27,920	6,252,405	1,072,313	7,976,691
1978	3,228	1,071,782	48,795	15,004,083	814,345	16,942,233
1979	1,905	631,735	140,629	11,287,592	358,400	12,420,261

-Continued-

Table 4. (page 3 of 3)

Year ^a	Chinook	Sockeye	Coho	Pink	Chum	TOTAL
1980	529	651,394	139,154	17,290,615	1,075,557	19,157,249
1981	1,418	1,288,980	121,544	10,336,829	1,345,328	13,094,099
1982	1,238	1,204,793	343,531	8,076,203	1,266,187	10,891,952
1983	3,839	1,231,989	157,612	4,603,371	1,085,165	7,081,976
1984	4,657	1,950,439	229,524	10,844,293	649,092	13,678,005
1985	4,970	1,843,185	284,166	7,334,815	430,757	9,897,893
1986	4,381	3,188,269	168,773	11,807,727	1,134,558	16,303,708
1987	4,612	1,792,819	192,540	5,076,002	681,982	7,747,955
1988	22,374	2,698,637	303,298	14,409,291	1,426,410	18,860,010
1989 ^b	4,851	2,628,565	141,433	22,648,511	835,734	26,259,094
1990	18,806	5,248,339	293,699	5,983,805	577,740	12,122,389
1991	22,233	5,704,041	324,860	16,642,804	1,029,070	23,723,008
1992	24,299	4,167,877	280,085	3,310,644	679,559	8,462,464
1993	42,199	4,377,688	313,387	34,019,420	588,331	39,341,025
1994	22,576	2,878,023	296,305	8,162,564	738,856	12,098,324
1995	18,704	4,485,321	307,729	42,832,437	1,522,705	49,166,896
1996	13,071	4,970,390	201,836	3,486,930	543,751	9,215,978
1997	18,728	2,505,660	380,925	11,035,128	520,329	14,460,770
1998	17,336	3,623,094	425,023	22,056,467	316,080	26,438,000
1999	18,299	4,652,961	296,979	11,898,382	913,867	17,780,488
AVERAGES^b						
All Years	4,021	1,813,412	106,418	6,887,750	584,928	7,883,317
1948-99	6,039	1,469,570	125,129	8,794,891	781,310	11,333,451
Odd Years, 1949-99				8,853,796		
Even Years, 1948-98				8,653,884		
1988-1998	21,693	4,119,276	311,284	15,803,443	805,154	21,060,850
Odd Years, 1991-1999				23,285,634		
Even Years, 1990-98				8,600,082		

^a 1882-1947 data is from processors case pack information; 1948-1999 data is from ADF&G ticket summaries.

^b Averages do not include 1989. Fisheries were severely limited due to the M/V Exxon Valdez oil spill, and the 1989 catch data presented are the projected catch had there been no fishery restrictions (Barrett 1990).

Table 5. Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-1999.

Year	<u>Purse Seine^a</u>		<u>Beach Seine^a</u>		<u>Set Gillnet^a</u>		<u>TOTAL^a</u>		
	Fishable	Fished	Fishable	Fished	Fishable	Fished	Fishable	Fished	Percent
1975	468	280	26	8	229	116	723	404	56
1976	394	325	23	17	187	140	604	482	80
1977	378	336	32	24	186	147	596	507	85
1978	389	372	34	29	188	160	611	561	92
1979	387	362	34	28	186	164	607	554	91
1980	387	370	35	33	187	168	609	571	94
1981	387	325	35	30	187	169	609	524	86
1982	386	345	35	30	187	170	608	545	90
1983	383	342	35	27	188	174	606	543	90
1984	384	296	35	25	188	168	607	489	81
1985	384	270	35	21	188	169	607	460	76
1986	385	287	35	14	187	174	607	475	78
1987	386	297	35	18	188	173	609	488	80
1988	387	323	35	21	188	179	610	523	86
1989 ^b	387	4	35	1	189	87	611	92	15
1990	388	354	35	21	189	184	612	559	91
1991	388	348	35	17	189	185	612	550	90
1992	387	336	35	12	189	178	611	526	86
1993	387	324	36	9	190	176	613	509	83
1994	387	285	36	5	190	169	613	459	75
1995	386	312	36	8	189	173	611	493	81
1996	384	261	36	6	189	172	609	439	72
1997	384	261	36	5	188	174	608	440	72
1998	384	217	36	2	188	171	608	390	64
1999	384	220	36	4	188	173	608	397	65
AVERAGES^c									
All Years	389	310	34	17	190	168	613	495	81
1990-1999	386	292	36	9	189	176	611	476	83
1979-1988	386	322	35	25	187	171	608	517	84

^a Fishable permits are those available for use, from Commercial Fisheries Entry Commission records.
Fished permits are those actually reporting landings, from ADF&G Fish Ticket summaries.

^b Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill.

^c 1989 data are not included in averages.

Table 6. Commercial salmon harvest projections and actual harvests for the Kodiak Management Area, 1999.

		Chinook	Sockeye	Coho	Pink	Chum	Total
Projected	Harvest 99	20,000	3,500,000	350,000	9,500,000	500,000	13,870,000
Actual	Harvest 99	18,300	4,650,000	297,000	11,900,000	913,900	17,779,200
1999 Harvest ^a							
FISHERY		Projection			Actual		
Early Run Sockeye Salmon Fisheries (6/9-7/15)							
Kitoi Bay Hatchery		12,000			5,600		
Cape Igvak ^b		121,000			421,500		
Karluk ^c		157,000			561,600		
Ayakulik ^d		649,000			756,500		
Frazer ^e		305,000			145,800		
Upper Station ^f		95,000			50,000		
Minor Systems ^f		72,000			92,000		
Minor Enhancement ^g		49,000			53,400		
Spiridon ^h		43,000			121,200		
Other		70,000			163,500		
Subtotal		1,573,000			2,371,100		
Late Run Sockeye Salmon Fisheries (7/16-10/1)							
Kitoi Bay Hatchery ⁱ		40,500			57,700		
Cape Igvak ^b		145,500			202,400		
Karluk ^c		632,000			914,200		
Ayakulik ^d		433,000			178,600		
Frazer ^e		77,000			30,000		
Upper Station ^f		378,000			407,600		
Minor Systems ^f		20,000			29,900		
Spiridon ^h		171,000			344,000		
Other		30,000			117,500		
Subtotal		1,927,000			2,281,900		
TOTAL SOCKEYE		3,500,000			4,653,000		
Pink Salmon Fisheries (7/6-9/5)							
Kitoi Bay Hatchery ^j		2,400,000			4,056,500		
Afognak (Wild) ^j		213,000			486,000		
Westside Kodiak ^k		4,757,000			4,173,500		
Alitak ^l		639,000			1,354,000		
Eastside/Northend Kodiak ^m		994,000			1,444,500		
Mainland ⁿ		497,000			384,000		
Subtotal		9,500,000			11,898,500		

-Continued-

Table 6. (page 2 of 2)

FISHERY	1999 Harvest ^a	
	Projection	Actual
Chum Salmon Fisheries (6/9-9/5)		
Kitoi Bay Hatchery ^j	155,000	140,900
Afognak (Wild) ^j	30,000	9,700
Westside Kodiak ^k	140,000	279,000
Alitak ^l	50,000	79,000
Eastside/Northend Kodiak ^m	75,000	195,200
Mainland ⁿ	50,000	210,000
Subtotal	500,000	913,800
Coho Salmon Fisheries (8/1-10/1)		
Kitoi Bay Hatchery ^j	110,000	117,000
Afognak (Wild) ^j	30,000	13,500
Westside Kodiak ^k	110,000	104,600
Alitak ^l	30,000	13,100
Eastside/Northend Kodiak ^m	60,000	29,300
Mainland ⁿ	10,000	19,600
Subtotal	350,000	297,100
GRAND TOTAL	13,870,000^o	17,780,700^p

^a Numbers of fish.

^b Includes the harvest from the Cape Igvak Section.

^c Includes the harvest from the southwest Afognak Section, Northwest Kodiak District except for Spiridon and Settler Cove Terminal Harvest Areas, Inner and Outer Karluk Sections, and possibly the Sturgeon Section.

^d Includes the harvest from the Halibut Bay, and Outer and Inner Ayakulik Sections.

^e Includes the harvest from the Alitak Bay District, separated to stock of origin by scale pattern analysis.

^f Includes the harvest from minor systems on the Southeast Afognak, Inner and Outer Ugak Bay, Perenosa Bay, Big River and outer Kukak Bay Sections.

^g Includes the harvest from the Waterfall, Foul Bay, and Settler Cove Terminal Harvest Areas.

^h Includes the harvest from the Spiridon Lake Terminal Harvest Area in Telrod Cove.

ⁱ Includes the harvest from the Duck Bay, Izhut Bay and Kitoi Bay Sections.

^j Includes the harvest from the Afognak District except for the Duck Bay, Izhut Bay, and Kitoi Bay Sections.

^k Includes the harvest from the Southwest Afognak Section, the Northwest Kodiak District except for the North Cape, Anton Larson, Sheratin, Kizhuyak, and part of the Central Section (259-36, -37, and -38), and the Southwest Kodiak District.

^l Includes the harvest from the Alitak Bay District.

^m Includes the harvest from the Eastside Kodiak District, Northeast Kodiak District, and the North Cape, Anton Larson, Sheratin, Kizhuyak, and part of the Central Section (259-36, -37, and -38).

ⁿ Includes the harvest from the Mainland District.

^o Includes 20,000 chinook salmon - projected harvest.

^p Includes 18,300 chinook salmon - actual harvest.

Table 7. Forecast of supplemental salmon runs and expected harvests compared to actual harvest in the Kodiak Management Area, 1999 (S. Honnold, ADF&G, Kodiak).

System	Species	Estimate	Forecast		Expected Harvest	Actual Harvest	Statistical Areas
			Low	High			
Spiridon Lake ^a	sockeye	214,000	129,000	300,000	214,000	465,302	^b
Hidden Lake ^a	sockeye	20,100	12,100	28,100	20,100	44,192	251-41, 251-40 (thru 7/8)
L.Waterfall Lake ^a	sockeye	12,900	7,700	18,000	12,900	9,359	251-84
Crescent Lake ^a	sockeye	15,800	9,500	22,100	15,800	<1,000	estimate
	coho	6,500	3,300	9,800	6,500	ND	
Kitoi Bay Area ^a	pink	2,700,000	1,900,000	5,800,000	2,400,000	4,057,093	252-30, 252-31, 252-32
	chum	185,000	135,000	235,000	155,000	140,896	252-30, 252-31, 252-32
	coho	115,900	77,200	154,600	111,000	116,513	252-30, 252-31, 252-32
	ER sockeye ^c	11,900	7,100	16,600	11,900	5,636	252-30, 252-31, 252-32
	LR sockeye ^d	40,500	19,700	61,100	40,500	57,706	252-30, 252-31, 252-32
	Total sockeye	52,400	26,800	77,700	52,400	63,342	252-30, 252-31, 252-32
Afognak Lake	sockeye	9,700	4,800	14,500	^e	33,953	252-34
Malina Lake	sockeye	18,700	9,300	28,000	^f	ND	
Paul's/Laura Lake	sockeye	12,200	6,100	18,400	^g	16,286	251-82, 251-83 after 6/22
Katmai Lake ^a	coho	1,500	800	2,200	1,500	ND	
Totals:	pink	2,700,000	1,900,000	5,800,000	2,400,000	4,057,093	
	chum	185,000	135,000	235,000	155,000	140,896	
	coho	123,900	81,300	166,600	119,000	116,513	
	sockeye	355,800	205,300	506,800	315,200	632,434	

Forecast prepared by S. Honnold, ADF&G for all systems except Kitoi Bay area pink and chum salmon which were prepared by A. Hall, KRAA.

^a Barriered systems and/or with Terminal Harvest Areas.

^b Spiridon lake THA harvest was 190,774 sockeye salmon; the ratios of previous harvest in SLTHA, and other districts where Spiridon lake fish have been harvested were applied to estimate total harvest in 1999.

^c From Little Kitoi Lake stocking.

^d From Little Kitoi Lake, Kitoi Bay, Jennifer Lake, and Ruth Lake stocking.

^e System has natural sockeye run; expected harvest not available. Run is not regularly forecast.

^f System has natural sockeye run; expected harvest not available. Run is forecast to be ~55,600, ranging from 41,100 to 70,000, based on smolt estimates.

^g System has natural sockeye run; expected harvest not available. Run is forecast to be ~19,000, ranging from 12,500 to 25,000, based on hydroacoustic estimates.

Table 8. Escapement summary for systems with fish weirs in the Kodiak Management Area, 1999.

Weir Locations	Dates		Salmon Species Enumerated					Total
	Installed	Removed	Sockeye	Chinook	Pink	Coho	Chum	
1. Karluk	5/26	9/23	981,538	13,063	89,160	22,875	160	1,106,796
2. Ayakulik	5/25	8/22	295,717	13,503	4,468	203	80	313,971
3. Dog Salmon	5/29	8/28	222,970	281	161,109	4,139	3,659	392,158
4. Frazer Lake ^a	6/24	8/14	216,565	126	0	0	0	216,691
5. Upper Station	5/23	9/9	246,537	1	9,512	4,098	3	260,151
6. Saltery	7/5	9/9	62,821	6	3,090	65	15	65,997
7. Buskin	5/25	7/6						
	8/20	10/4	10,811	10	94,322	9,794	31	114,968
8. Litnik	5/24	9/12	95,361	8	30,959	12,092	11	138,431
9. Pauls Bay	6/1	9/9	28,844	0	3,131	11,206	96	43,277
10. Malina	5/21	8/5	29,171	0	2	0	0	29,173
11. Thorsheim	5/30	6/29	5978	0	0	0	0	5,978
12. Bear Creek (Shuyak)	8/7	9/18	6	0	2,044	775	0	2,825
13. Sturgeon	5/26	7/24	0	0	0	0	71,610	71,610
Totals			1,979,754	26,872	397,797	65,247	75,665	2,545,335

^a Numbers not used in species totals as Frazer Lake salmon are initially counted through Dog Salmon weir.

Table 9. Historical indexed salmon escapements, by species, in the Kodiak Management Area, 1962-1999.

Year ^a	Chinook	Sockeye	Coho	Pink	Chum	TOTAL
1962		922,500		4,600,000	297,900	5,820,400
1963		502,227		1,026,075	75,520	1,603,822
1964		600,346		3,358,074	261,429	4,219,849
1965		561,980		772,874	67,156	1,402,010
1966		652,578		2,100,000	143,700	2,896,278
1967		720,683		698,710	136,079	1,555,472
1968	703	645,612		2,800,000	121,000	3,567,315
1969	7,752	592,020		1,581,335	77,285	2,258,392
1970	3,900	573,603		3,392,577	123,150	4,093,230
1971	4,524	456,197		1,070,173	249,327	1,780,221
1972	3,047	605,491		1,053,391	335,115	1,997,044
1973	4,762	543,111		604,592	258,044	1,410,509
1974	1,622	995,925	20,396	2,041,099	86,383	3,145,425
1975	3,059	704,801	29,634	1,100,555	156,761	1,994,810
1976	8,413	1,075,226	36,083	3,105,320	312,914	4,537,956
1977	13,804	1,269,374	59,095	2,212,488	742,384	4,297,145
1978	14,677	1,000,353	37,479	5,006,273	482,956	6,541,738
1979	14,445	1,410,800	93,940	3,067,647	607,430	5,194,262
1980	5,853	1,831,748	27,290	6,492,822	830,070	9,187,783
1981	15,657	1,391,593	58,729	3,188,869	741,981	5,396,829
1982	10,773	1,603,692	86,402	5,370,049	1,023,923	8,094,839
1983	27,445	1,304,233	101,950	2,090,104	824,754	4,348,486
1984	14,411	1,467,730	123,779	4,520,344	682,936	6,809,200
1985	13,877	2,554,067	191,406	3,204,316	723,390	6,687,056
1986	11,046	2,001,279	170,000	4,068,615	655,817	6,906,757
1987	23,744	1,551,543	153,000	2,978,510	641,579	5,348,376
1988	35,152	1,661,532	96,140	3,236,931	558,531	5,588,286
1989 ^b	26,131	3,022,886	166,622	14,642,587	1,432,609	19,290,835
1990	25,972	2,006,241	151,420	6,024,900	474,620	8,683,153
1991	27,306	2,515,659	259,850	4,317,610	934,336	8,054,761
1992	19,013	1,968,058	289,592	3,515,624	530,128	6,322,415
1993	22,113	1,705,440	159,996	4,291,581	234,381	6,413,511
1994	21,591	2,041,511	206,418	3,994,020	545,391	6,808,931
1995	30,843	1,840,112	231,175	10,498,232	469,856	13,070,218
1996	21,089	1,813,256	189,618	3,351,011	394,784	5,769,758
1997	28,534	1,788,373	234,839	3,253,029	459,293	5,764,068
1998	24,654	1,775,759	234,734	7,088,975	374,456	9,498,578
1999	26,872	2,119,169	133,398	4,081,686	882,257	7,243,382
AVERAGES						
All Years	16,025	1,363,071	136,269	3,678,974	472,359	5,666,697
1990-1999	24,799	1,957,358	209,104	5,041,667	529,950	7,762,878
Odd Year, 1987-1999				6,294,748		
Even Year, 1988-1998				4,535,244		

^a Indexed escapements include peak counts from aerial surveys and foot surveys, plus end of season totals from weired systems. Different streams may have been surveyed in each year; these estimates reflect all streams surveyed in each year.

^b Fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill.

Table 10. Board of Fisheries approved fishery management plans for the Kodiak Management Area, 1999.

MANAGEMENT PLAN	YEAR INITIATED	MGMT. UNITS AFFECTED	DATES IN EFFECT
Cape Igvak Salmon Management Plan	1978	Cape Igvak Section Wide Bay Section	6/5 - 7/25
Alitak Bay District Salmon Management Plan	1987	Alitak Bay District	6/9 - 10/31
Westside Kodiak Management Plan	1990	N.W. Kodiak District S.W. Kodiak District S.W. Afognak Section	6/9 - 10/31
Crescent Lake Coho Salmon Management Plan	1990	Portion of the Central Section in Vicinity of Port Lions	7/15 - 10/31
North Shelikof Strait Sockeye Salmon Management Plan	1990	S.W. Afognak Section N.W. Afognak Section Shuyak Section Big River Section Hallo Bay Section Inner and Outer Kukak Section Dakavak Section	7/6 - 7/25
Eastside Afognak Management Plan	1993	Kitoi Bay Section Izhut Bay Section Duck Bay Section	6/9 - 10/31
Spiridon Lake Sockeye Salmon Management Plan	1993	Special Harvest Area in Spiridon Bay Section	6/9 - 10/31
Eastside Kodiak Salmon Management Plan	1995	N.E. Kodiak District Eastside Kodiak District	6/14 - 10/31
North Afognak / Shuyak Salmon Management Plan	1995	N.E. Afognak Section Perenosa Bay Section Shuyak Island Section N.W. Afognak Section	6/9 - 10/31

Table 11. Commercial salmon buyers and processors, Kodiak Management Area, 1999.

Buyers/Processors ^a	Shorebased Processors			Floating Processors			Product	
	Kodiak City	Kodiak Borough	Other Areas	Kodiak City	Kodiak Borough	Other Areas	Canned	Frozen
Alaska Pacific Seafoods	X						X	X
Wards Cove Packing -Alitak		X					X	X
Cook Inlet Processors	X							X
Cook Inlet Processors-Uganik		X					X	
International Seafoods	X							X
Kodiak King Crab, Inc.	X						X	X
Kodiak Salmon Packers-Larsen Bay		X					X	X
Western Alaska Seafoods	X							X
Island Seafoods	X							X
Kodiak Seafoods		X						X
Faith Fisheries			X					X
Favco			X					X
His Catch Value Added Products			X					X
TOTALS	6	5	3	0		0	5	12

^a In 1999 only 12 individual companies participated in the Kodiak Management Area commercial salmon fisheries. One company operated more than one shorebased processing plant.

Table 12. Commercial salmon harvest and value, by gear type and species, in the Kodiak Management Area, 1999.

Purse Seine	Chinook	Sockeye	Pink	Chum	Coho	Total	%
Total # ^a	16,697	3,130,138	10,779,947	801,956	241,223	14,969,961	84.20
Avg. Wt. ^b	<u>12.65</u>	<u>5.21</u>	<u>3.01</u>	<u>7.95</u>	<u>7.34</u>		
Total Lbs. ^a	211,173	16,295,514	32,433,633	6,376,319	1,769,499	57,086,138	80.97
Avg. \$/Lb. ^b	<u>0.68</u>	<u>1.07</u>	<u>0.14</u>	<u>0.19</u>	<u>0.40</u>		
Exvessel \$	143,597.64	17,436,199.98	4,540,708.62	1,211,500.61	707,799.60	24,039,806	70.52
# of Permits	220						
Average Value \$	652.72	79,255.45	20,639.58	5,506.82	3,217.27	109,271.85	
Percent	0.60	72.53	18.89	5.04	2.94	100.00	
Beach Seine	Chinook	Sockeye	Pink	Chum	Coho	Total	%
Total # ^a	0	5,065	2,306	122	0	7,493	0.04
Avg. Wt. ^b	<u>0.00</u>	<u>5.22</u>	<u>3.14</u>	<u>9.38</u>	<u>0.00</u>		
Total Lbs. ^a	0	26,414	7,249	1,144	0	34,807	0.05
Avg. \$/Lb. ^b	<u>0.68</u>	<u>1.06</u>	<u>0.14</u>	<u>0.19</u>	<u>0.40</u>		
Exvessel \$	0.00	27,998.84	1,014.86	217.36	0.00	29,231.06	0.09
# of Permits	4						
Average Value \$	0.00	6,999.71	253.72	54.34	0.00	7,307.77	
Percent	0.00	95.78	3.47	0.74	0.00	100.00	
Set Gillnet	Chinook	Sockeye	Pink	Chum	Coho	Total	%
Total # ^a	1,602	1,515,535	1,116,054	111,739	55,756	2,800,686	15.75
Avg. Wt. ^b	<u>13.32</u>	<u>5.38</u>	<u>3.51</u>	<u>7.67</u>	<u>7.72</u>		
Total Lbs. ^a	21,332	8,153,420	3,920,571	856,773	430,464	13,382,560	18.98
Avg. \$/Lb. ^b	<u>0.67</u>	<u>1.12</u>	<u>0.14</u>	<u>0.17</u>	<u>0.42</u>		
Exvessel \$	14,292.44	9,131,830.40	548,879.94	145,651.41	180,794.88	10,021,449.07	29.40
# of Permits	173						
Average Value \$	82.62	52,785.15	3,172.72	841.92	1,045.06	57,927.45	
Percent	0.14	91.12	5.48	1.45	1.80	100.00	
Total All Gear	Chinook	Sockeye	Pink	Chum	Coho	Total	%
Total # ^a	18,299	4,650,738	11,898,307	913,817	296,979	17,778,140	100.00
Avg. Wt. ^b	<u>12.71</u>	<u>5.26</u>	<u>3.06</u>	<u>7.92</u>	<u>7.41</u>		
Total Lbs. ^a	232,505	24,475,348	36,361,453	7,234,236	2,199,963	70,503,505	100.00
Avg. \$/Lb. ^b	<u>0.68</u>	<u>1.09</u>	<u>0.14</u>	<u>0.19</u>	<u>0.40</u>		
Exvessel \$	157,890.08	26,596,029.22	5,090,603.42	1,357,369.38	888,594.48	34,090,486.58	100.00
% of Total Value	0.46	78.02	14.93	3.98	2.61		100.00
Test Fishery	Chinook	Sockeye	Pink	Chum	Coho	Total	%
Total # ^a	0	2,223	75	50	0	2,348	0.01
Avg. Wt. ^b	<u>0.00</u>	<u>5.28</u>	<u>3.90</u>	<u>8.08</u>	<u>0.00</u>		
Total Lbs. ^a	0	11,732	295	404	0	12,431	0.02
Avg. \$/Lb. ^b	<u>0.67</u>	<u>1.11</u>	<u>0.14</u>	<u>0.17</u>	<u>0.42</u>		
Exvessel \$	0.00	13,022.52	41.30	68.68	0.00	13,132.50	0.04

^a Numbers and pounds of fish are derived from fish ticket summaries. There were 14,926 fish tickets generated in 1999; each ticket represents a landing. Each gear type had the following landings: Purse Seine - 8,280; Beach Seine - 53; Set Gillnet - 6,559; and Test Fishery - 34.

^b Average price per pound figures are from Commercial Fisheries Entry Commission reports, which are based on Processor's End of Season reports (includes bonuses and postseason adjustments).

Table 13. Salmon average weights and average price per pound by species, from commercial fisheries of the Kodiak Management Area, 1992-1999.

		Average Price per Pound ^a				
Gear Type		Chinook	Sockeye	Pink	Chum	Coho
1992						
Avg. Wt. ^b		14.31	5.68	3.75	7.25	8.18
Avg. \$/lb. :	Seine	\$1.02	\$1.47	\$0.18	\$0.39	\$0.56
	Gillnet	\$1.00	\$1.46	\$0.16	\$0.33	\$0.59
1993						
Avg. Wt. ^b		11.92	5.13	3.13	5.99	6.72
Avg. \$/lb. :	Seine	\$0.78	\$0.88	\$0.16	\$0.28	\$0.47
	Gillnet	\$0.60	\$0.85	\$0.15	\$0.22	\$0.35
1994						
Avg. Wt. ^b		13.95	4.98	3.81	7.43	8.69
Avg. \$/lb. :	Seine	\$0.72	\$1.27	\$0.18	\$0.23	\$0.69
	Gillnet	\$0.58	\$1.26	\$0.17	\$0.23	\$0.70
1995						
Avg. Wt. ^b		13.78	5.11	3.51	7.49	8.03
Avg. \$/lb. :	Seine	\$0.70	\$1.07	\$0.17	\$0.28	\$0.41
	Gillnet	\$0.63	\$1.03	\$0.16	\$0.24	\$0.36
1996						
Avg. Wt. ^b		13.66	5.68	3.46	8.17	8.16
Avg. \$/lb. :	Seine	\$0.65	\$0.89	\$0.07	\$0.15	\$0.43
	Gillnet	\$0.66	\$0.90	\$0.07	\$0.13	\$0.41
1997						
Avg. Wt. ^b		9.98	5.25	3.38	7.99	7.97
Avg. \$/lb. :	Seine	\$0.64	0.94	\$0.16	\$0.19	\$0.57
	Gillnet	\$0.66	\$0.98	\$0.16	\$0.18	\$0.51
1998						
Avg. Wt. ^b		14.37	4.84	3.71	7.80	8.45
Avg. \$/lb. :	Seine	\$0.72	\$1.16	\$0.15	\$0.19	\$0.37
	Gillnet	\$0.63	\$1.19	\$0.16	\$0.19	\$0.36
1999						
Avg. Wt. ^b		12.71	5.26	3.05	7.92	7.41
Avg. \$/lb. :	Seine	\$0.68	\$1.07	\$0.14	\$0.19	\$0.40
	Gillnet	\$0.67	\$1.12	\$0.14	\$0.17	\$0.42

^a Average price information is from Commercial Fisheries Entry Commission reports, based on Processors End of Season Reports (includes bonuses and postseason adjustments).

^b Average weight information is derived from ADF&G Fish Ticket summaries.

Table 14. Estimated commercial salmon harvest and value, by gear type, in the Kodiak Management Area, 1970 - 1999.

Year	Total Catch ^a	Total Value ^b	Average Exvessel Value		
			Purse Seine	Beach Seine	Set Net
1970	13,949,206	\$21,658,000	\$41,880	\$10,470	\$21,083
1971	6,378,179	\$4,973,000	\$13,397	\$2,919	\$3,015
1972	3,883,197	\$3,909,000	\$9,233	\$647	\$1,451
1973	1,001,343	\$2,094,000	\$5,075	\$251	\$852
1974	3,329,427	\$4,808,000	\$15,993	\$4,406	\$4,828
1975	3,187,410	\$3,831,000	\$13,300	\$5,600	\$3,849
1976	12,484,451	\$16,976,000	\$43,017	\$11,035	\$14,481
1977	7,976,691	\$18,873,142	\$46,942	\$12,107	\$19,117
1978	16,942,215	\$30,357,179	\$70,685	\$14,772	\$22,711
1979	12,420,260	\$22,958,317	\$51,263	\$20,348	\$23,363
1980	19,157,249	\$27,410,296	\$62,363	\$23,385	\$21,215
1981	13,094,099	\$32,647,230	\$79,877	\$26,946	\$34,785
1982	10,891,952	\$18,803,822	\$39,309	\$11,038	\$28,889
1983	7,081,976	\$13,405,578	\$30,239	\$5,918	\$16,689
1984	13,678,005	\$25,948,012	\$71,550	\$12,341	\$26,552
1985	9,897,903	\$20,428,111	\$57,782	\$8,405	\$27,517
1986	16,304,165	\$38,723,961	\$92,696	\$11,885	\$68,700
1987	7,746,980	\$31,107,864	\$79,814	\$15,664	\$41,163
1988	19,009,757	\$103,816,936	\$252,403	\$47,017	\$119,013
1989 ^c	26,455,944	\$61,046,024	\$146,502	\$28,288	\$72,955
1990	12,122,389	\$52,611,882	\$113,326	\$10,424	\$66,715
1991	23,723,008	\$37,019,293	\$77,511	\$5,257	\$53,817
1992	8,462,464	\$40,498,352	\$98,388	\$5,436	\$41,984
1993	39,341,025	\$38,554,977	\$94,927	\$8,230	\$43,889
1994	12,098,324	\$27,103,339	\$67,545	\$9,392	\$46,189
1995	4,918,763	\$53,921,533	\$135,769	\$14,388	\$66,165
1996	9,215,978	\$27,627,620	\$71,080	\$2,954	\$52,632
1997	14,460,978	\$21,017,587	\$54,940	\$8,419	\$38,140
1998	26,444,750	\$34,797,884	\$119,310	\$3,649	\$52,048
1999	17,780,488	\$34,090,487	\$109,272	\$7,308	\$57,928
Average ^d - Previous 10 Years:					
1988-1998	16,979,744	\$43,696,940	\$108,520	\$11,517	\$58,059
Average ^d - Recent Decade:					
1990-1999	16,856,817	\$36,724,295	\$94,207	\$7,546	\$51,951
Average ^d - Previous Decades:					
1970-1979	8,155,238	\$13,043,764	\$31,079	\$8,256	\$11,475
1980-1988	12,984,676	\$34,699,090	\$85,115	\$18,067	\$42,725
Average ^d - Overall					
1970-1999	12,654,574	\$27,930,083	\$69,617	\$11,056	\$35,130

^a Number of fish. Includes commercial harvest, test fisheries, and Kitoi Bay Hatchery cost recovery harvests.

^b Exvessel values for 1970-76 are based on inseason price estimates, and do not include post season adjustments. Values from 1977-88 and 1990-99 are from Commercial Fisheries Entry Commission reports.

^c In 1989 due to the presence of oil from the M/V Exxon Valdez spill there were extensive fishery closures. Harvest figures include actual and projected harvest of wild stocks and actual harvest of hatchery stocks from a supplemental cost recovery fishery. The 1989 exvessel value is estimated by multiplying price information from CFEC records for the limited fisheries that did occur by the projected total harvest had there been no oil spill. The 1989 exvessel value by gear type is estimated by using 1988 gear levels and proportional harvest by gear type, as if a normal fishery had occurred on a normal distribution of fish.

^d 1989 data not included in averages.

Table 15. Subsistence salmon fishery harvest , by species, for the Kodiak Management Area, 1962-1999.

Year	Permits Issued ^a	Permits Returned ^a	Percent Returned	Subsistence Harvest ^a					TOTAL
				Chinook	Sockeye	Coho	Pink	Chum	
1962	74	13	18	0	0	433	397	20	850
1963	74	15	20	0	297	576	836	195	1,904
1964	43	9	21	6	332	184	88	71	681
1965	67	7	10	2	19	318	244	12	595
1966	48	13	27	0	295	331	334	393	1,353
1967	84	29	35	2	1,306	571	894	344	3,117
1968	132	28	21	0	658	433	529	45	1,665
1969	242	30	12	1	481	338	620	30	1,470
1970	213	49	23	1	959	939	797	265	2,961
1971	267	131	49	5	3,442	1,720	1,276	472	6,915
1972	329	176	53	11	3,633	1,531	2,516	2,729	10,420
1973	400	149	37	7	4,453	2,289	1,393	1,166	9,308
1974	367	90	25	1	1,909	846	1,094	128	3,978
1975	508	90	18	1	1,141	922	947	221	3,232
1976	536	243	45	4	4,338	962	2,275	370	7,949
1977	739	451	61	54	8,119	2,508	2,849	317	13,847
1978	860	539	63	50	7,239	3,699	2,747	572	14,307
1979	1,085	697	64	111	10,376	3,840	3,300	333	17,960
1980	1,239	756	61	67	13,746	4,407	2,755	566	21,541
1981	1,166	658	56	49	12,924	4,029	2,458	484	19,944
1982	1,276	993	78	110	16,615	7,192	3,558	667	28,142
1983	1,307	1,082	83	111	15,526	6,283	2,536	800	25,256
1984	1,240	1,061	86	265	17,620	5,808	1,877	720	26,290
1985	1,476	1,196	81	172	16,231	8,873	2,756	855	28,887
1986	1,244	1,049	84	91	14,451	7,087	2,371	605	24,605
1987	1,124	904	80	101	13,277	6,737	2,421	1,316	23,852
1988	1,098	706	64	108	10,142	4,291	1,320	366	16,227
1989 ^{b,c}	2,800	716	N/A	43	12,638	4,123	1,553	419	18,776
1990 ^c	2,900	1,181	N/A	131	17,972	8,646	1,605	655	29,009
1991	1,406	1,223	87	177	21,835	8,208	1,743	714	32,677
1992	1,561	1,193	76	318	20,684	8,643	1,646	643	31,934
1993	1,496	914	61	243	19,521	7,188	2,696	838	30,486
1994 ^d	2,550	1,518	60	205	17,962	7,491	1,758	440	27,856
1995	1,950	1,218	62	175	19,416	5,603	1,548	293	27,035
1996	1,567	1,431	91	253	28,287	5,117	1,125	381	35,163
1997	2,098	1,651	79	383	33,293	6,369	1,458	234	41,737
1998	1,845	1,143	62	350	21,144	5,465	170	70	27,199
1999	1,430	1,139	80	296	21,867	4,107	1,030	339	27,639
AVERAGES									
All Years, 1962-99				103	10,899	3,898	1,619	502	17,020
10 Years, 1990-99				253	22,198	6,684	1,478	461	31,074
Previous 10 year, 1989-98				228	21,275	6,685	1,530	469	30,187
10 Years, 1980-89				112	14,317	5,883	2,361	680	23,352
10 Years, 1970-79				25	4,561	1,926	1,919	657	9,088

^aData are compiled from Kodiak Annual Management Reports and subsistence data base. This provides an estimate of reported subsistence harvests, but may not represent the total subsistence salmon harvest.

^bThis represents only the harvest for individuals returning permits to ADF&G. In 1989 there was also an Exxon sponsored subsistence fishery in Karluk Lagoon. Harvest totaled an additional 1 chinook, 13,329 sockeye, 523 coho, 47 pink, and 19 chum salmon.

^cPermits were mailed to all previous applicants. Many were returned as undeliverable.

^dSalmon and shellfish subsistence permitting programs were merged.

Table 16. Sport fish salmon harvest in the Kodiak regulatory area of the Kodiak Management Area, 1977-1999.

Year ^a	Chinook ^b	Sockeye ^b	Coho ^b	Pink ^b	Chum ^b	Total ^b
1977	483	1,255	4,716	14,519	1,645	22,618
1978	350	1,776	4,927	17,739	1,287	26,079
1979	752	2,436	11,522	15,871	500	31,081
1980	327	2,178	12,692	18,969	525	34,691
1981	789	1,620	10,584	12,259	637	25,889
1982	1,120	3,055	13,329	18,850	1,324	37,678
1983	729	3,150	7,823	8,936	816	21,454
1984	921	5,385	14,612	12,779	1,321	35,018
1985	762	7,536	13,625	13,423	865	36,211
1986	520	5,259	20,873	14,509	336	41,497
1987	379	4,165	16,912	11,662	560	33,678
1988	1,564	6,222	18,809	19,044	1,546	47,185
1989	1,087	6,789	19,802	17,794	631	46,103
1990	996	6,056	13,728	7,464	191	28,435
1991	2,508	5,049	17,691	12,106	1,517	38,871
1992	2,217	6,240	13,668	5,904	625	28,654
1993	5,092	7,849	21,241	12,324	504	47,010
1994	3,166	12,502	12,406	5,336	290	33,700
1995	2,662	7,994	13,236	11,926	981	36,799
1996	2,407	10,158	16,822	6,917	692	36,996
1997	5,221	8,259	23,763	5,873	235	43,351
1998	4,052	8,763	24,850	12,226	547	50,438
1999	6,791	10,405	27,781	12,813	426	58,216

AVERAGES						
<i>Previous 10 Years</i>						
1990-1999	3,511	8,328	18,519	9,289	601	40,247
<i>Recent 5 Year Periods</i>						
1995-1999	4,227	9,116	21,290	9,951	576	45,160
1990-1994	2,796	7,539	15,747	8,627	625	35,334
1985-1989	862	5,994	18,004	15,286	788	40,935
<i>All Years</i>						
1977-1999	1,952	5,830	15,453	12,576	783	36,594

^aThe Kodiak regulatory area encompasses only the Kodiak Archipelago. Estimated harvests from the Mainland District of the Kodiak Management Area are summarized in Alaska Peninsula/Aleutian Islands regulatory area statistics.

^bNumbers includes harvest from both marine and freshwater fisheries. Harvest Data from Howe, et. al. 1999.

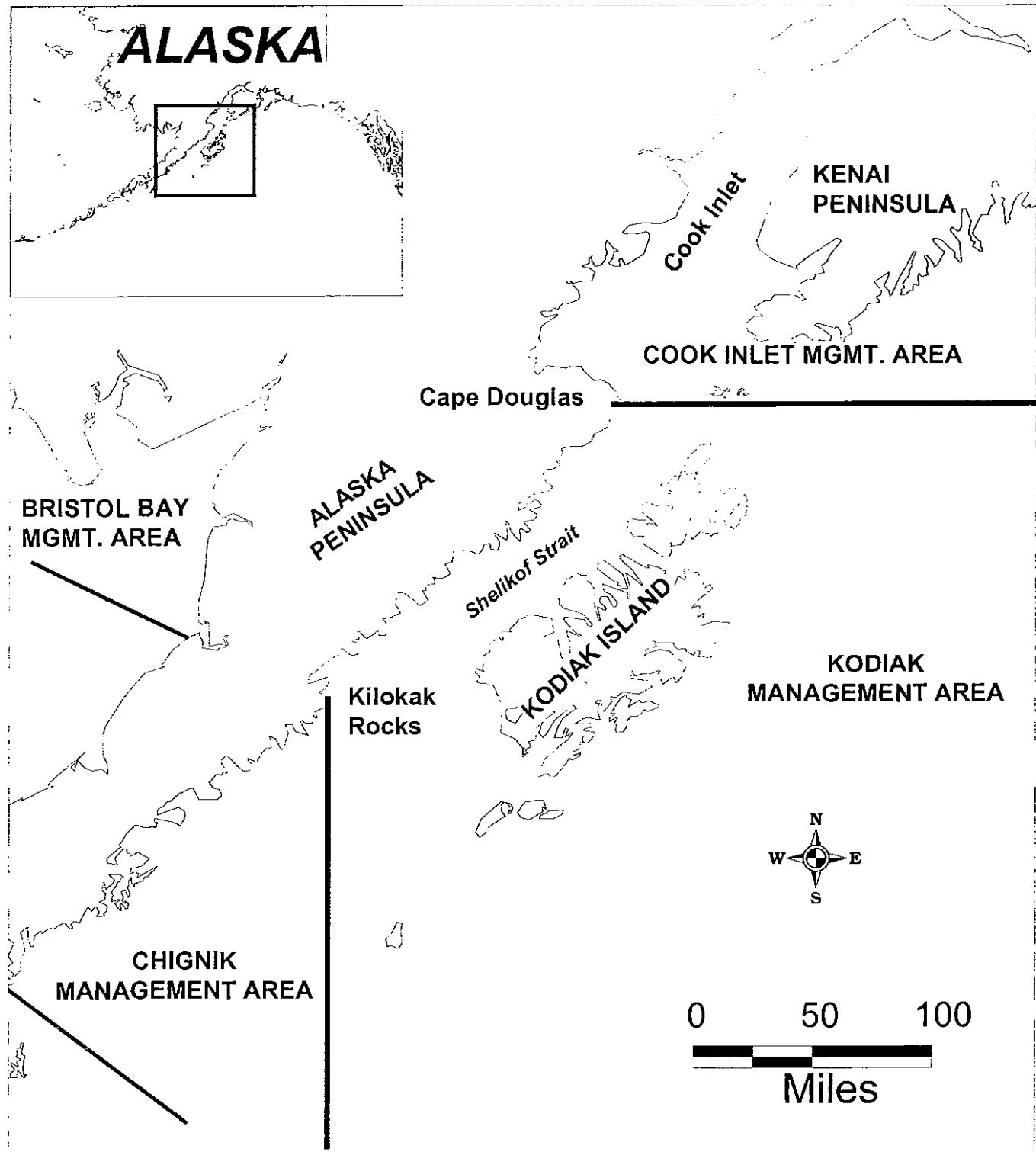


Figure 1. Location of the Kodiak Management Area, 1999.

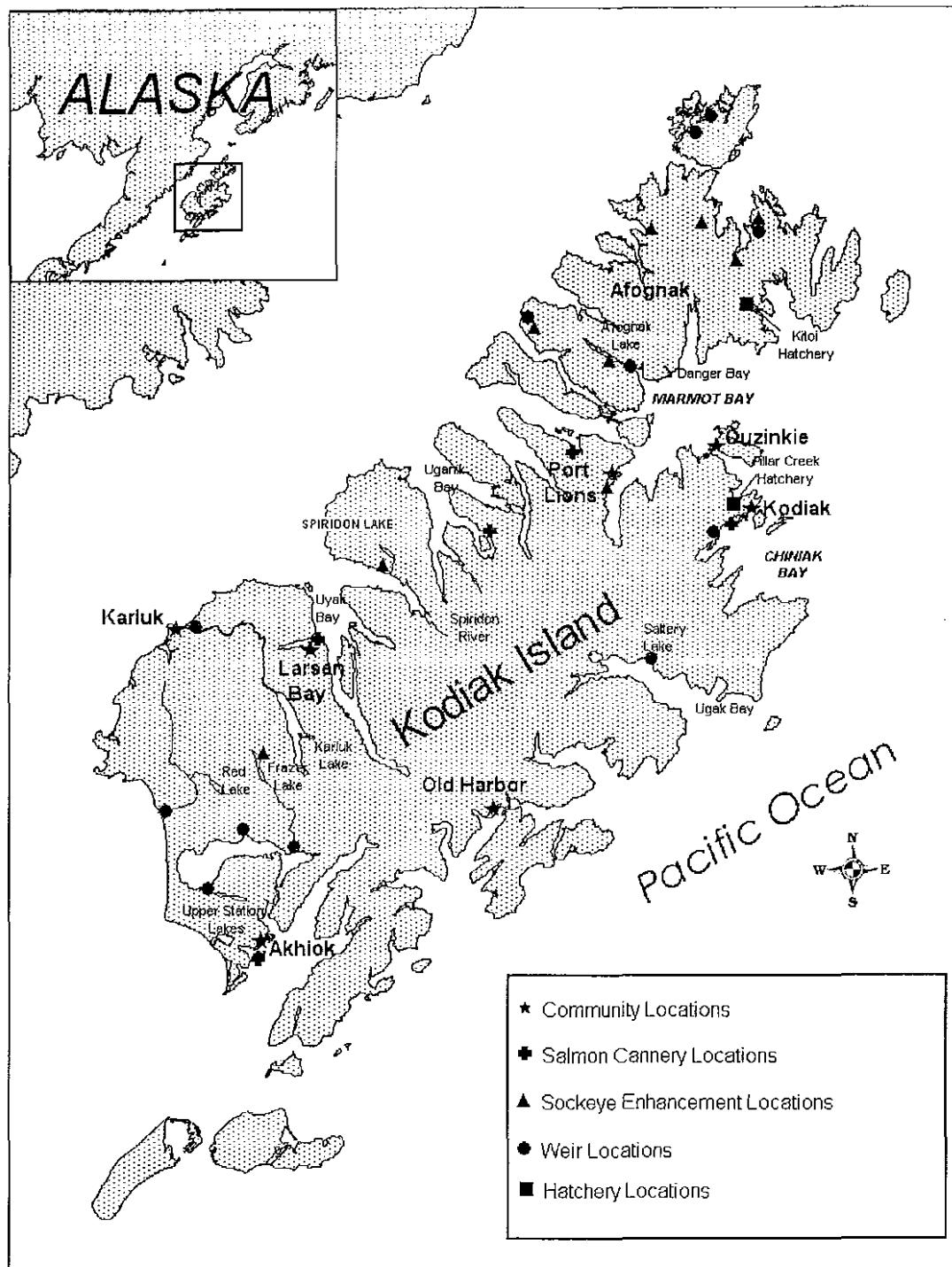


Figure 2. Map of Kodiak Island showing communities, canneries, sockeye salmon enhancement, weir and hatchery locations of the Kodiak Management Area, 1999.

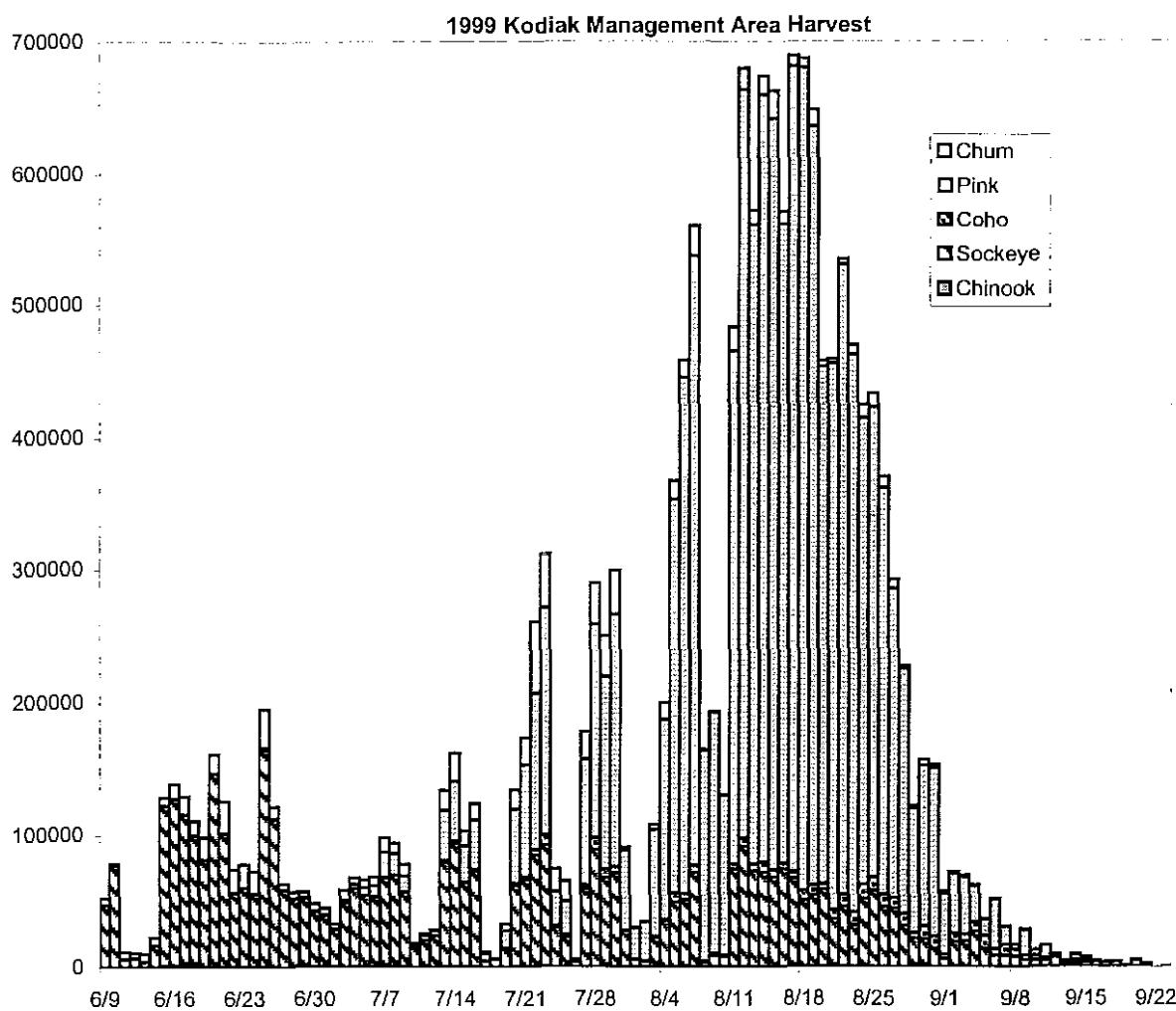
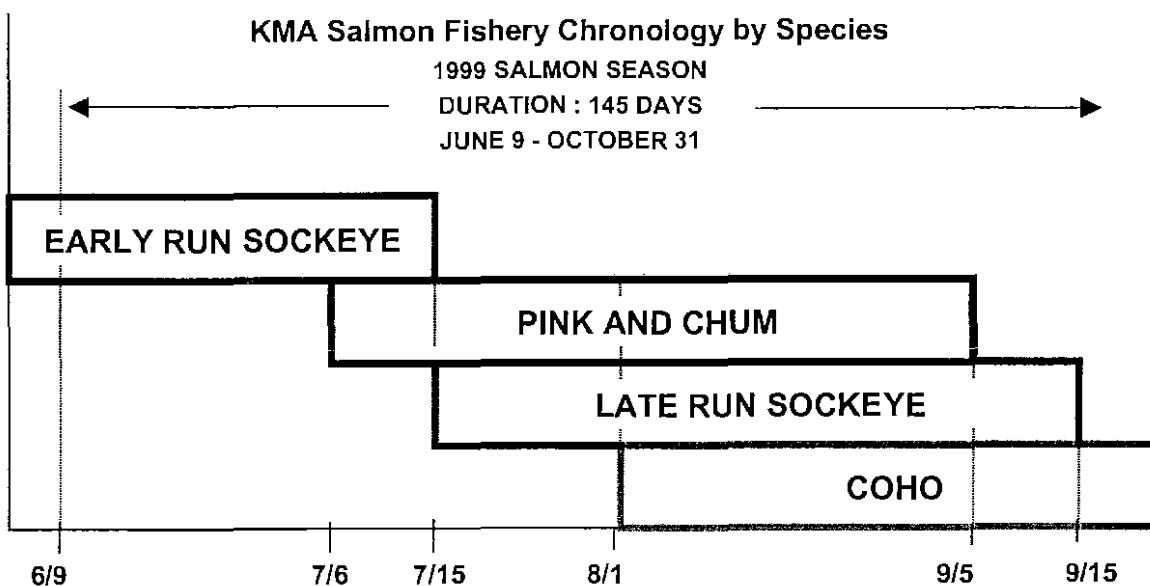
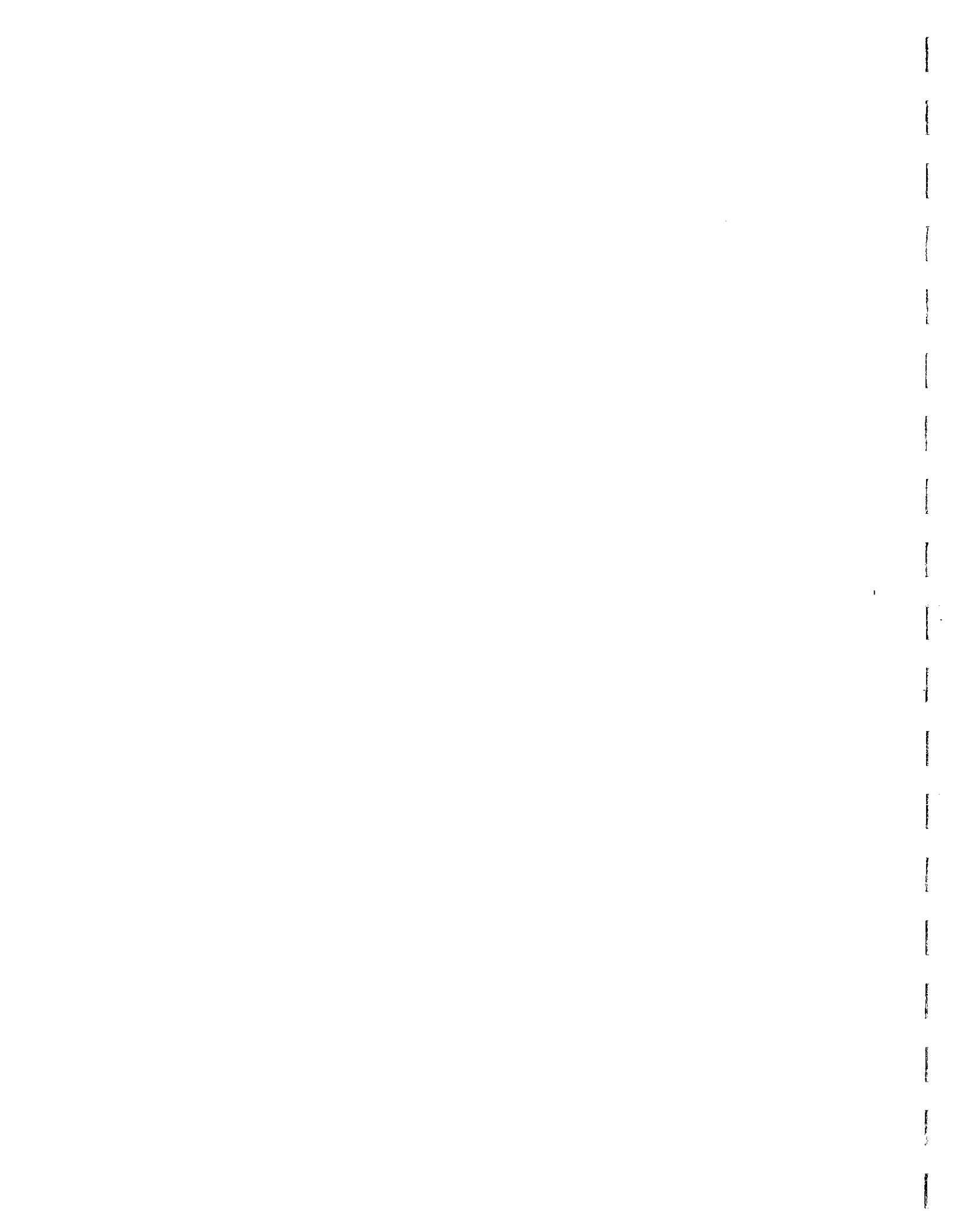
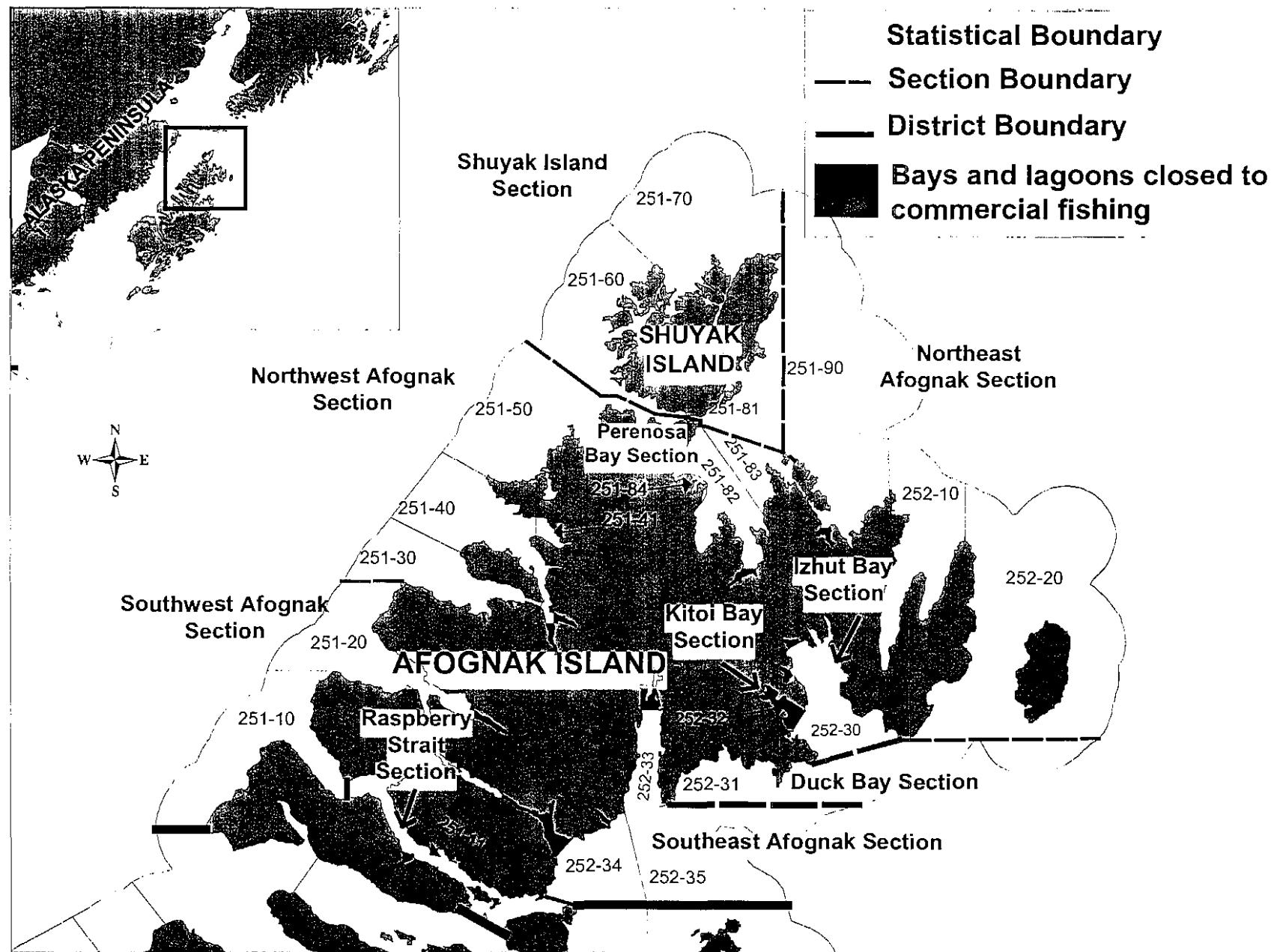


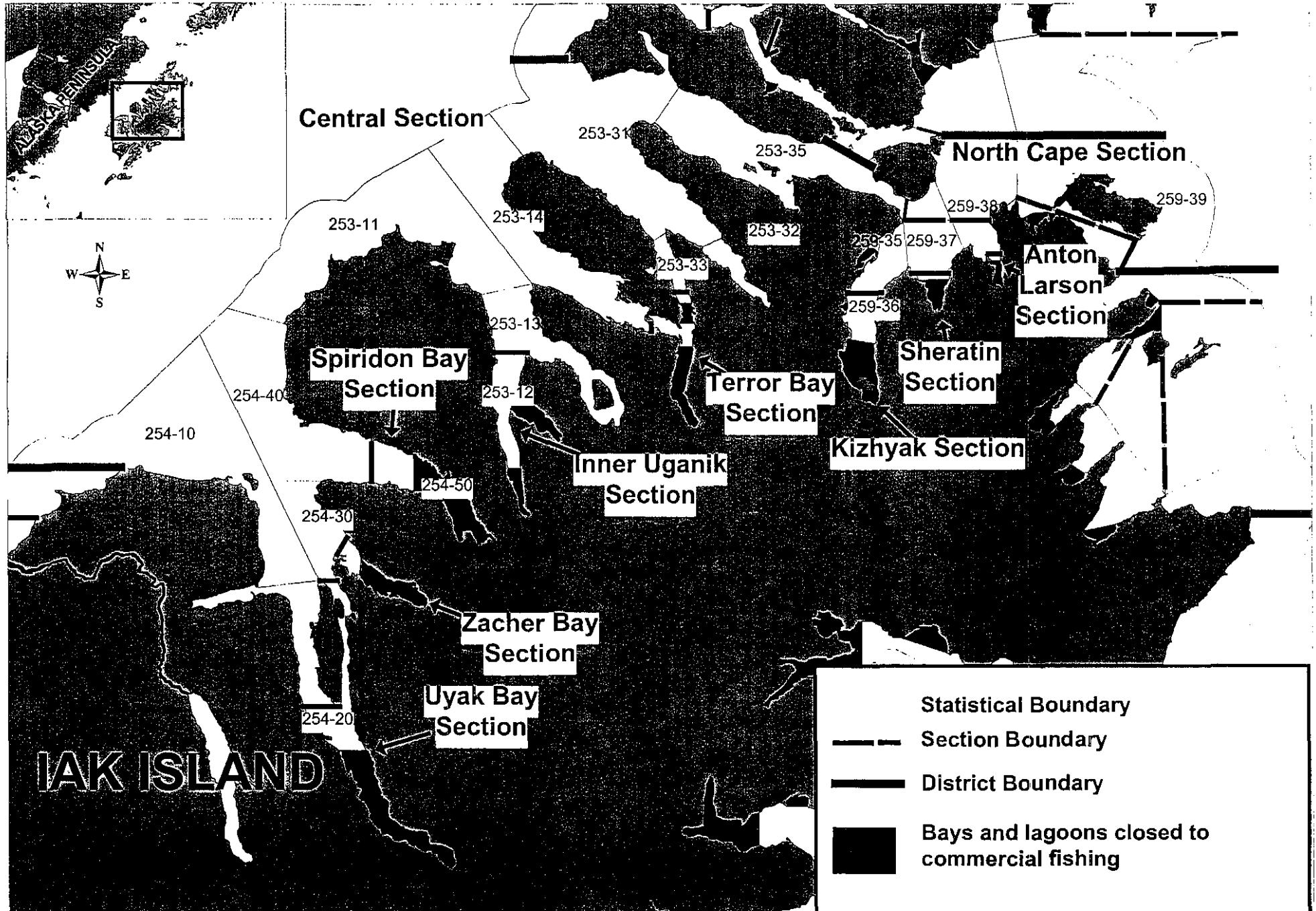
Figure 3. Commercial salmon fishery chronology, by species, in the Kodiak Management Area, 1999.

APPENDIX

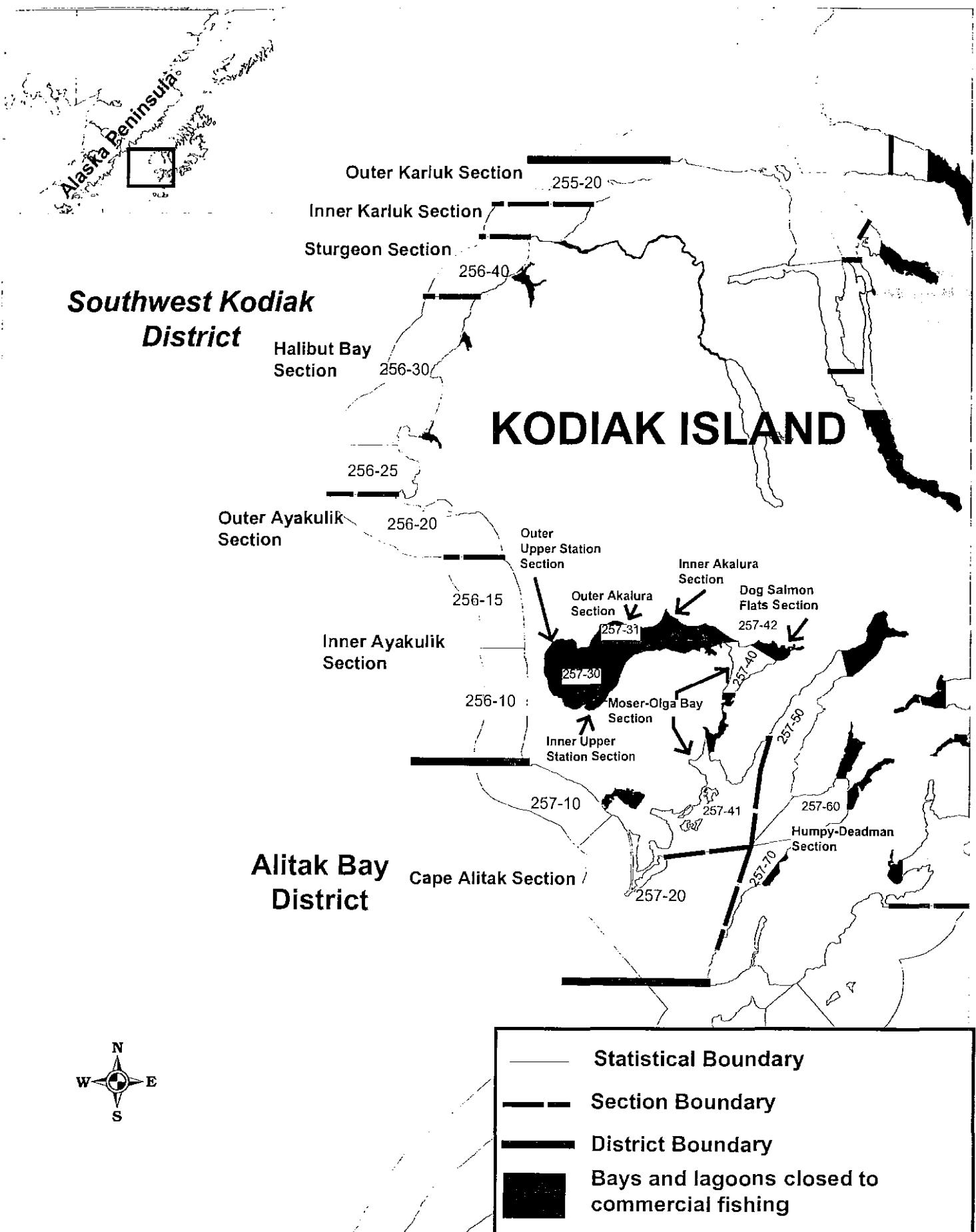




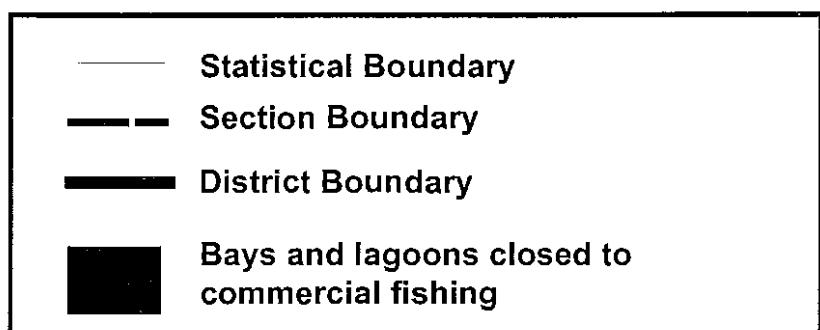
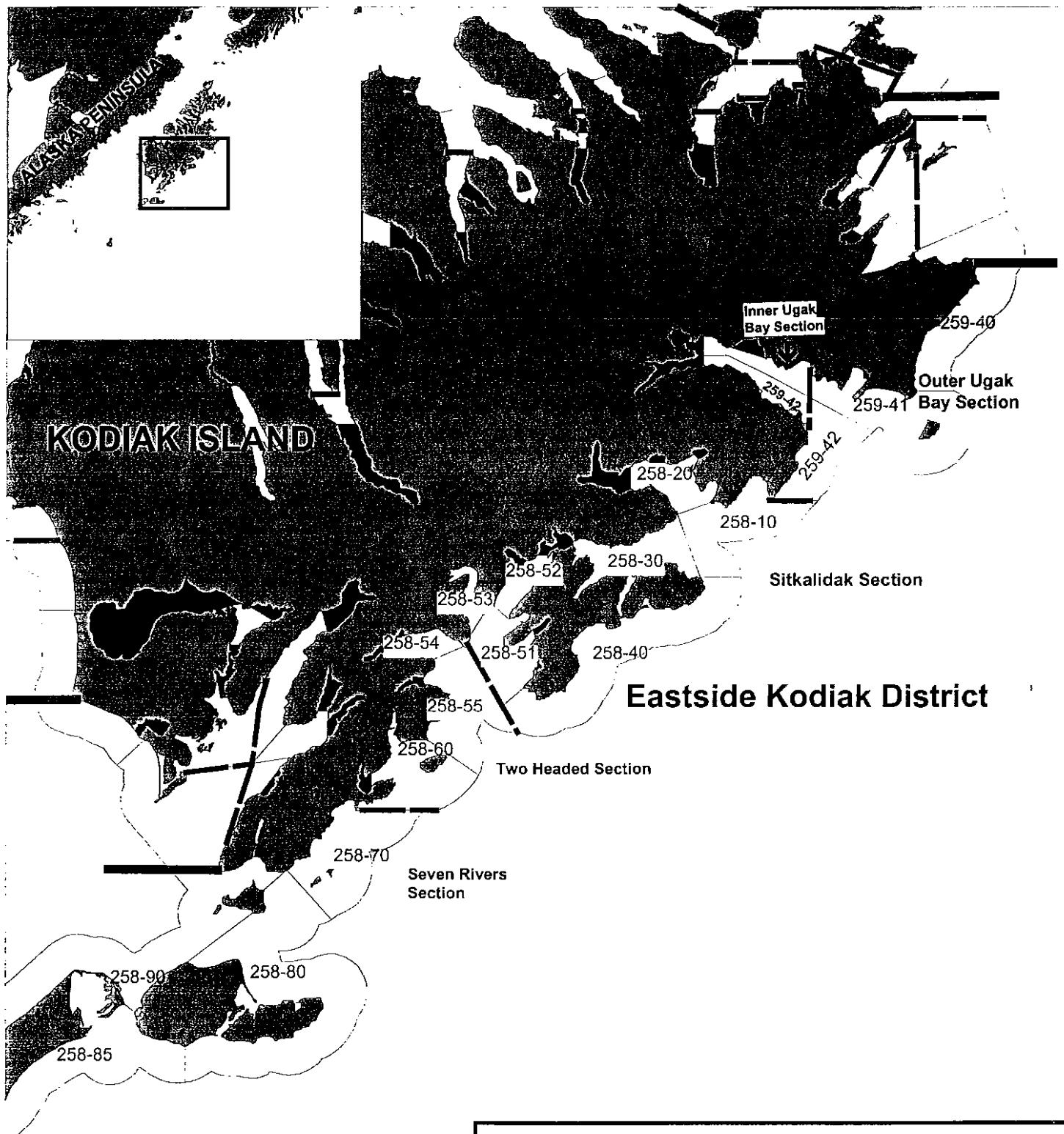
Appendix A.1. Afognak District of the Kodiak Management Area, 1999.



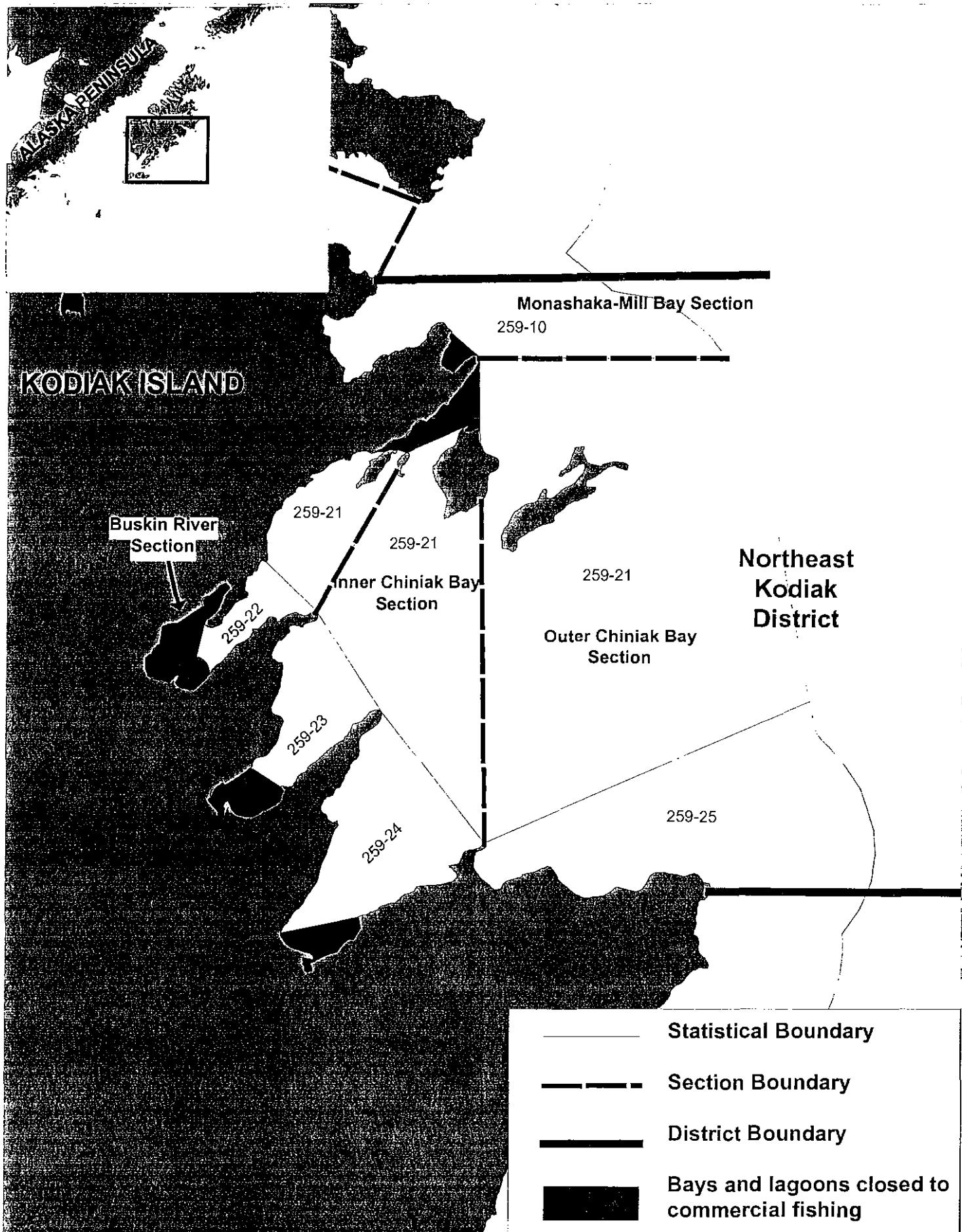
Appendix A.2. Northwest Kodiak District of the Kodiak Management Area, 1999.



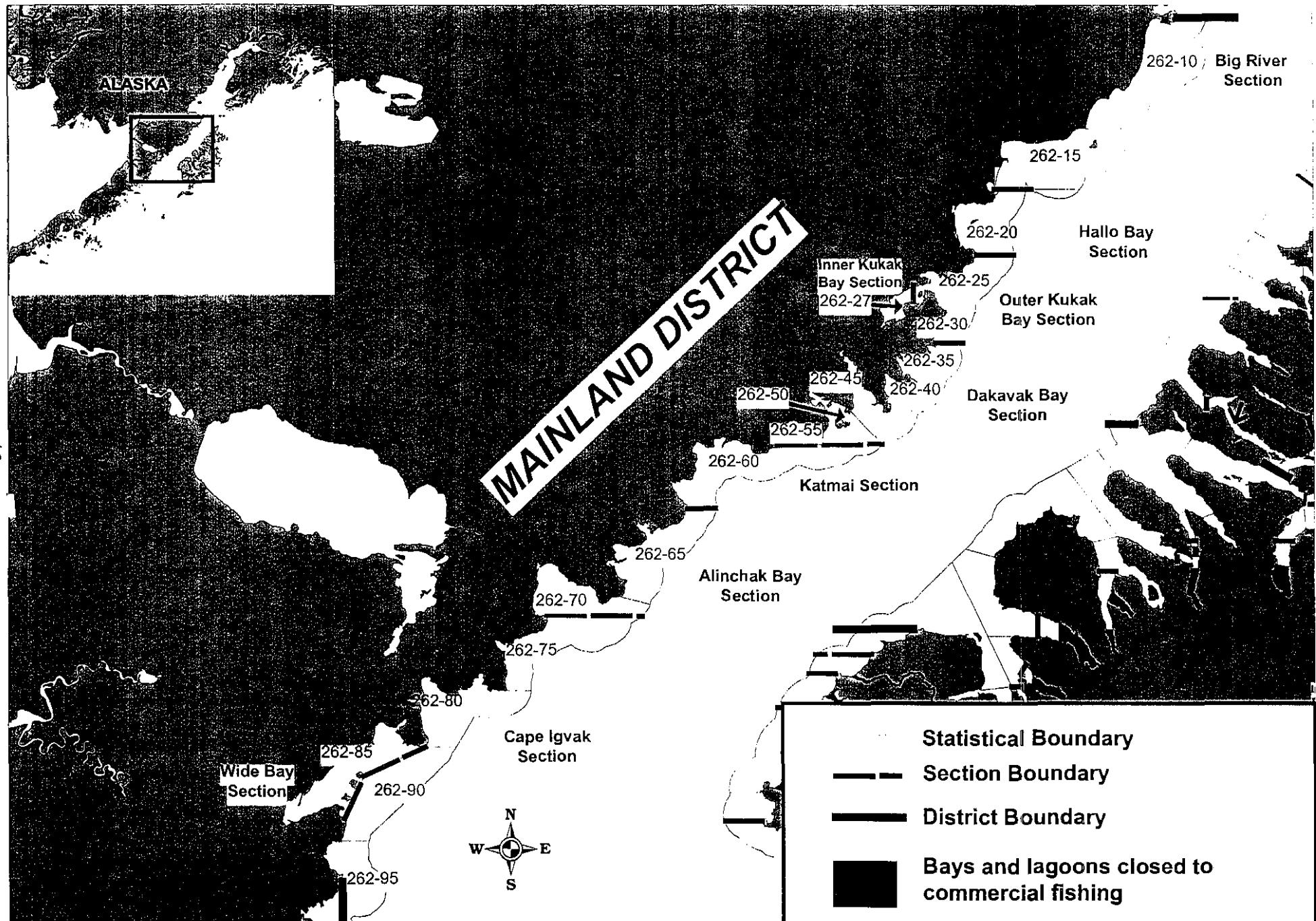
Appendix A.3. Southwest Kodiak and Alitak Bay Districts of the Kodiak Management Area, 1999.



Appendix A.4. Eastside Kodiak District of the Kodiak Management Area, 1999.

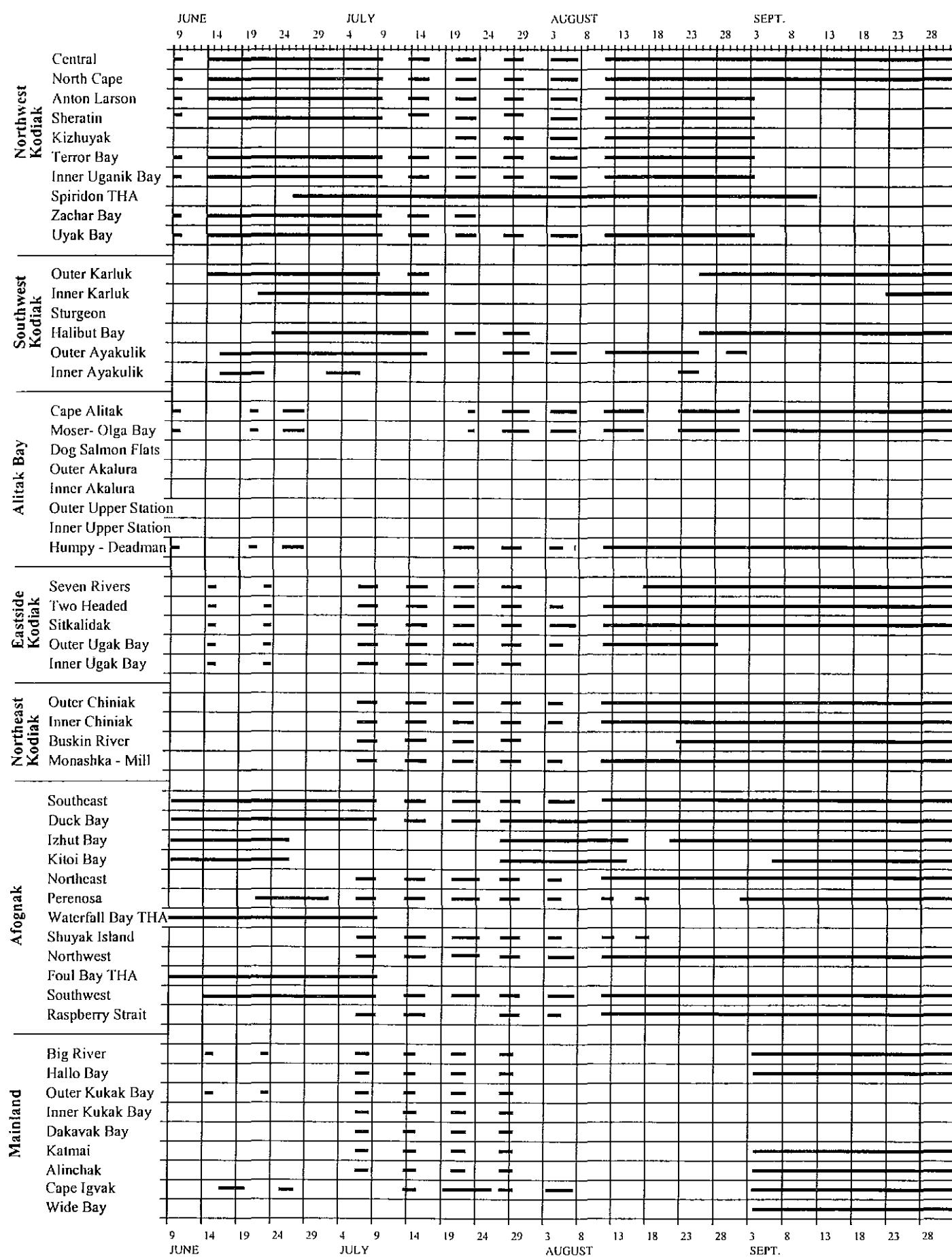


Appendix A.5. Northeast Kodiak District of the Kodiak Management Area, 1999.



Appendix A.6. Mainland District of the Kodiak Management Area, 1999.

Appendix B.1. Commercial salmon fishing time, by district and section in the Kodiak Management Area, 1999.



Appendix B.2. Summary of emergency orders issued for the commercial salmon fishery in the Kodiak Management Area, 1999.

E.O.#	Issued	Effective	Action Taken
1	9:00 AM 6/6/99	12:00 Noon 6/9/99	<u>Opening</u> for 33 hours, 12:00 Noon 6/9 to 9:00 PM 6/10 <ul style="list-style-type: none"> - Northwest Kodiak District except the Kizhuyak Section - Alitak Bay District <u>Opening</u> until further notice, 12:00 Noon 6/9 <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, and Kitoi Bay Sections - Foul Bay and Waterfall Bay Terminal Harvest Areas <u>Closed water adjustments</u> Reduced in: Kitoi Bay, Foul Bay, and Little Waterfall Bay until further notice; Settler Cove until 9:00 PM 6/10.
2	9:30 AM 6/8/99	12:00 Noon 6/9/99	<u>Opening</u> for 33 hours, 12:00 Noon 6/9 until further notice <ul style="list-style-type: none"> - Southeast Afognak Section <u>Opening</u> until further notice, 12:00 Noon 6/9 <ul style="list-style-type: none"> - Foul Bay and Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay and Kitoi Bay Sections <u>Closed water adjustments</u> Reduced in: Afognak Bay, Settlers Cove until 9:00 PM 6/10; Foul Bay, Big Waterfall Bay, Little Waterfall Bay, Kitoi Bay until further notice
3	3:00 PM 6/11/99	9:00 PM 6/14/99	<u>Opening</u> for 33 hours, 12:00 Noon 6/14 to 9:00 PM 6/15 <ul style="list-style-type: none"> - Southwest Afognak Section - Outer Karluk Section - Northwest Kodiak District except the Kizhuyak Section - Eastside Kodiak District - Outer Kukak and Big River Sections <u>Opening</u> until further notice <ul style="list-style-type: none"> - Southeast Afognak Section - Foul Bay, Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay, and Kitoi Bay Sections <u>Closed water adjustments</u> Reduced in: Kaflia Bay, Saltery Cove, Malina Creek, and Settlers Cove until 9:00 PM 6/15; Kitoi Bay until further notice
4	12:15 PM 6/14/99	12:00 Noon 6/15/99	<u>Opening</u> for 57 hours, 12:00 Noon 6/15 to 9:00 PM 6/17 <ul style="list-style-type: none"> - Inner & Outer Ayakulik Section

-Continued-

Appendix B.2. (Page 2 of 17)

E.O.#	Issued	Effective	Action Taken
	12:01AM 6/16/99		<u>Opening</u> for 48 hours, 12:01 AM 6/16 to 12:01 AM 6/18 - Cape Igvak Section <u>Extension until further notice</u> - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District - Southeast Afognak Section - Foul Bay, Waterfall Bay Terminal Harvest Areas - Duck Bay, Izhut Bay, and Kitoi Bay Sections
	9:00 PM 6/15/99		<u>Closure</u> at 9:00 PM 6/15 - Eastside Kodiak District - Outer Kukak and Big River Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Saltery Cove, Malina Creek, Settlers Cove, and Kitoi Bay until further notice: Kafnia Bay until 9:00 PM 6/15
5	3:30 PM 6/16/99	9:00 PM 6/17/99	<u>Extension</u> for 48 hours, 9:00 PM 6/17 to 9:00 PM 6/19 - Inner and Outer Ayakulik Section (57° 38.23' N. Lat.) <u>Extension until further notice</u> - Southeast Afognak Section - Foul Bay and Waterfall Bay Terminal Harvest Areas - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Duck Bay, Izhut Bay, and Kitoi Bay Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove and Kitoi Bay until further notice
6	11:30 AM 6/17/99	12:01 AM 6/18/99	<u>Extension</u> for 48 hours, 12:01 AM 6/18 to 1201 AM 6/20 - Cape Igvak Section <u>Extensions until further notice</u> - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Southeast Afognak Section - Foul Bay, and Waterfall Bay Terminal Harvest Areas - Duck Bay, Izhut Bay and Kitoi Bay Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove and Kitoi Bay until further notice

-Continued-

Appendix B.2. (Page 3 of 17)

E.O.#	Issued	Effective	Action Taken
7	3:15 PM 6/18/99	12:00 Noon 6/20/99	<u>Opening</u> for 33 hours, 12:00 Noon 6/20 to 9:00 PM 6/21 - Alitak Bay District
		9:00 PM 6/19/99	<u>Extension</u> for 48 hours, 9:00 PM 6/19 to 9:00 PM 6/21 - Inner and Outer Ayakulik Sections
			<u>Extension until further notice</u> - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Southeast Afognak Section - Foul Bay, and Waterfall Bay Terminal Harvest Areas - Duck Bay, Izhut Bay, and Kitoi Bay Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove and Kitoi Bay until further notice
8	9:30 AM 6/20/99	12:00 Noon 6/21/99	<u>Opening</u> for 33 hours, 9:00 PM 6/21 to 9:00 PM 6/22 - Inner Karluk Section
		9:00 PM 6/21/99	<u>Extension</u> from 9:00 PM 6/21 to 9:00 PM 6/22 - Inner and Outer Ayakulik Sections
		12:00 Noon	<u>Opening</u> for 33 hours, 12:00 Noon 6/22 to 9:00 PM 6/23 - Eastside Kodiak District - Perenosa Bay Section - Outer Kukak and Big River Sections
			<u>Extension until further notice</u> - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for Kizhuyak Section - Southeast Afognak Section - Foul Bay and Waterfall Bay Terminal Harvest Areas - Duck Bay, Izhut Bay, and Kitoi Bay Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Kaflia Bay, Malina Creek, Settler Cove and Kitoi Bay until further notice; Saltery Cove until 9:00 PM 6/23
9	2:00 PM 6/21/99	9:00 PM 6/22/99	<u>Extension</u> for 48 hours, 9:00 PM 6/22 to 9:00 PM 6/24 - Inner Karluk Section - Outer Ayakulik Section
		12:00 Noon 6/23/99	<u>Opening</u> for 33 hours, 12:00 Noon 6/23 to 9:00 PM 6/24 - Halibut Bay Section

-Continued-

Appendix B.2. (Page 4 of 17)

E.O.#	Issued	Effective	Action Taken
		12:00 Noon 6/22/99	<u>Opening</u> for 33 hours, 12:00 Noon 6/22 to 9:00 PM 6/23 - Eastside Kodiak District - Perenosa Bay Section - Outer Kukak and Big River Sections
			<u>Extension</u> until further notice - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Southeast Afognak Section - Foul Bay and Waterfall Bay Terminal Harvest Areas - Duck Bay, Izhut Bay and Kitoi Bay Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Kaflia Bay, Malina Creek, Settler Cove and Kitoi Bay until further notice; Pauls Bay until 6/23; and Saltery Cove until 6/23
10	3:00 PM 6/23/99	9:00 PM 6/23/99	<u>Extension</u> for 72 hours, from 9:00 PM 6/23 until 9:00 PM 6/26 - Perenosa Bay Section
		9:00 PM 6/24/99	<u>Extension</u> for 48 hours, from 9:00 PM 6/24 to 9:00 PM 6/26 - Halibut Bay Section - Inner Karluk Section - Outer Ayakulik Section
		12:01 AM 6/25/99	<u>Opening</u> for 24 hours, from 12:01 AM 6/25 to 12:01AM 6/26 - Cape Igvak Section
		12:00 Noon 6/25/99	<u>Opening</u> for 33 hours, from 12:00 Noon 6/25 to 9:00 PM 6/26 - Alitak Bay District
			<u>Opening</u> until further notice - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Southeast Afognak Section - Foul Bay and Waterfall Bay Terminal Harvest Areas - Duck Bay, Izhut Bay and Kitoi Bay Sections
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Kaflia Bay, Malina Creek, Settler Cove and Kitoi Bay until further notice; Saltery Cove until 6/23; Pauls Bay until 6/26
11	1:30 PM 6/25/99	12:01 AM 6/26/99	<u>Extension</u> for 24 hours, from 12:01 AM 6/26 to 12:01 AM 6/27 - Cape Igvak Section

-Continued-

Appendix B.2. (Page 5 of 17)

E.O.#	Issued	Effective	Action Taken
	12:00 Noon 6/26/99		<u>Opening</u> from 12:00 Noon 6/26 until further notice - Spiridon Lake Terminal Harvest Area (Telrod Cove)
	9:00 PM 6/26/99		<u>Extension</u> for 48 hours, from 9:00 PM 6/26 to 9:00 PM 6/28 - Alitak Bay District - Perenosa Bay Section - Inner Karluk Section - Halibut Bay Section - Outer Ayakulik Section
			<u>Closure</u> at 9:00 PM 6/26 - Kitoi Bay - Izhut Bay
			<u>Opening</u> until further notice - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Duck Bay and Southeast Afognak Sections - Foul Bay and Waterfall Bay Terminal Harvest Areas
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove until further notice; Pauls Bay until 6/28; and Kitoi Bay until 6/26
12	10:00 6/27/99	9:00 PM 6/28/99	<u>Extension</u> for 48 hours, from 9:00 6/28 to 9:00 6/30 - Perenosa Bay Section - Inner Karluk Section - Halibut Bay Section - Outer Ayakulik Section
			<u>Extension</u> until further notice - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak except for Kizhuyak Section - Duck Bay and Southeast Afognak Sections - Spiridon Lake, Foul Bay, and Waterfall Bay Terminal Harvest Areas
			<u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove until further notice; Pauls Bay until 6/30
13	1:30 PM 6/29/99	9:00 PM 6/30/99	<u>Extension</u> for 48 hours, 9:00 PM 6/30 to 9:00 PM 7/2 - Perenosa Bay Section - Inner Karluk Section - Halibut Bay Section - Outer Ayakulik Section

-Continued-

Appendix B.2. (Page 6 of 17)

E.O.#	Issued	Effective	Action Taken
		12:00 Noon 7/1/99	<u>Opening</u> 12:00 Noon 7/1 to 9:00 PM 7/2 - Inner Ayakulik Section <u>Extension until further notice</u> - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for the Kizhuyak Section - Duck Bay and Southeast Afognak Sections - Spiridon Lake, Foul Bay, and Waterfall Bay Terminal Harvest Areas <u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove until further notice; Pauls Bay until 7/2
14	2:15 PM 7/1/99	9:00 PM 7/2/99	<u>Extension</u> for 48 hours, 9:00 PM 7/2 to 9:00 PM 7/4 - Inner Karluk Section - Halibut Bay Section - Inner and Outer Ayakulik Sections <u>Extension until further notice</u> - Southwest Afognak and Outer Karluk Sections - Northwest Kodiak District except for Kizhuyak Section - Duck Bay and Southeast Afognak Sections - Spiridon Lake, Foul Bay, and Waterfall Bay Terminal Harvest Areas <u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, Settler Cove until further notice; Pauls Bay until 7/2
15	10:00 AM 7/3/99	9:00 PM 7/4/99	<u>Extension</u> for 48 hours, from 9:00 PM 7/4 to 9:00 PM 7/6 - Inner Ayakulik Section <u>Extension until 9:00 PM 7/9</u> - Inner Karluk Section - Halibut Bay Section - Outer Ayakulik Section - Southwest Afognak and Outer Karluk - Northwest Kodiak District except for the Kizhuyak Section - Duck Bay and Southeast Afognak Sections - Foul Bay and Waterfall Bay Terminal Harvest Areas <u>Opening</u> for 81 hours, 12:00 Noon 7/6 to 9:00 PM 7/9 - Northeast Kodiak District - Eastside Kodiak District - The Remainder of the Afognak District except for the Izhut and Kitoi Bay Sections

-Continued-

Appendix B.2. (Page 7 of 17)

E.O.#	Issued	Effective	Action Taken
	12:00 Noon 7/6/99		<u>Opening</u> for 57 hours, 12:00 Noon 7/6 to 9:00 PM 7/8 - Mainland District except for the Cape Igvak and Wide Bay Sections <u>Extensions until further notice</u> - Spiridon Lake Terminal Harvest Area <u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, and Settler Cove until further notice
16	2:00 PM 7/8/99	9:00 PM 7/9/99	<u>Extension</u> for 48 hours, from 9:00 PM 7/9 to 9:00 PM 7/11 - Outer Ayakulik Section - Halibut Bay Section - Inner Karluk Section <u>Extensions until further notice</u> - Spiridon Lake Terminal Harvest Area <u>Closed water adjustments</u> Reduced in: Afognak Bay, Malina Creek, and Settler Cove until further notice
17	10:00 AM 7/10/99	9:00 PM 7/11/99	<u>Extension</u> for 48 hours, from 9:00 PM 7/11 to 9:00 PM 7/13 - Outer Ayakulik Section - Halibut Bay Section - Inner Karluk Section <u>Opening</u> for 48 hours, from 12:01 AM 7/13 to 12:01 AM 7/15 - Cape Igvak Section <u>Opening</u> for 81 hours, from 12:00 Noon 7/13 to 9:00 PM 7/16 - Afognak District except for Izhut and Kitoi Bay Sections - Northwest Kodiak District except for the Kizhuyak Section - Outer Karluk Section - Northeast Kodiak District - Eastside Kodiak District <u>Opening</u> for 57 hours, from 12:00 Noon 7/13 to 9:00 PM 7/15 - Mainland District except for the Wide Bay Section <u>Extension</u> until further notice - Spiridon Lake Terminal Harvest Area <u>Closed water adjustments</u> Reduced in: Malina Creek and Settler Cove until further notice

-Continued-

Appendix B.2. (Page 8 of 17)

E.O.#	Issued	Effective	Action Taken
18	2:00 PM 7/12/99	9:00 PM 7/13/99	<u>Extension</u> for 72 hours, from 9:00 PM 7/13 to 9:00 PM 7/16 - Outer Ayakulik Section - Halibut Bay Section - Inner Karluk Section <u>Extension until further notice</u> - Spiridon Lake Terminal Harvest Area <u>Closed water adjustments</u> Reduced in: Malina Creek and Settler Cove until further notice
19	4:30 PM 7/13/99	10:00 PM 7/13/99	<u>Closure</u> effective 10:00 PM 7/13 - Seaward Zones of the Northwest Afognak, Shuyak Island, Big River, Hallo Bay, Outer Kukak Bay, and Dakavak Bay Sections <u>Extension until further notice</u> - Spiridon Lake Terminal Harvest Area <u>Closed water adjustments</u> Reduced in: Malina Creek and Settler Cove until further notice
20	2:00 PM 7/14/99	12:00 Noon 7/15/99	<u>Closed water adjustments</u> from 12:00 Noon 7/15 to 9:00 PM 7/16 - Saltery Cove <u>Extension until further notice</u> - Spiridon Lake Terminal Harvest Area <u>Closed water adjustments</u> Reduced in: Malina Creek and Settler Cove
21	9:15 AM 7/17/99	12:01 AM 7/19/99	<u>Opening</u> for 48 hours, from 12:01 AM 7/19 to 12:01 AM 7/21 - Cape Igvak Section 12:00 Noon 7/20/99 <u>Opening</u> for 81 hours, from 12:00 Noon 7/20 to 9:00 PM 7/23 - Afognak District except for the Izhut and Kitoi Bay Sections and the "Seaward Zones" of Shuyak Island and Northwest Afognak Sections - Northwest Kodiak District - Halibut Bay Section - Humpy-Deadman Section - Northeast Kodiak District - Eastside Kodiak District 12:00 Noon 7/20/99 <u>Opening</u> for 57 hours, from 12:00 Noon 7/20 to 9:00 PM 7/22 - Alinchak Bay Section - Katmai Section

-Continued-

Appendix B.2. (Page 9 of 17)

E.O.#	Issued	Effective	Action Taken
			<ul style="list-style-type: none"> - Inner Kukak Section - The "Shoreward Zones" of the Dakavak Bay, Outer Kukak Bay, Hallo Bay and Big River Sections <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <p>Reduced in: Saltery Cove until 9:00 PM 7/23</p>
22	1:00 PM 7/20/99	12:01 AM 7/21/99	<p><u>Extension for 48 hours, from 12:01 AM 7/21 to 12:01 AM 7/23</u></p> <ul style="list-style-type: none"> - Cape Igvak Section <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <p>Reduced in: Saltery Cove until 9:00 PM 7/23</p>
23	9:00 AM 7/21/99	8:00 AM 7/22/99	<p><u>Opening for 37 hours, from 8:00 AM 7/22 to 9:00 PM 7/23</u></p> <ul style="list-style-type: none"> - Cape Alitak and Moser-Olga Bay Sections <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <p>Reduced in: Saltery Cove until 9:00 PM 7/23</p>
24	10:30 AM 7/22/99	12:01 AM 7/23/99	<p><u>Extension for 48 hours, from 12:01 AM 7/23 to 12:01 AM 7/25</u></p> <ul style="list-style-type: none"> - Cape Igvak Section <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <p>Reduced in: Saltery Cove until 9:00 PM 7/23</p>
25	10:30 AM 7/24/99	12:01 AM 7/25/99	<p><u>Extension for 24 hours, from 12:01 AM 7/25 to 12:01 AM 7/26</u></p> <ul style="list-style-type: none"> - Cape Igvak Section <p>12:00 Noon 7/27/99</p> <p><u>Opening for 81 hours, from 12:00 Noon 7/27 to 9:00 PM 7/30</u></p> <ul style="list-style-type: none"> - Afognak District including Kitoi Bay Section - Northwest Kodiak District except for the Zachar Bay Section - Halibut Bay and Outer Ayakulik Sections - Alitak Bay District

-Continued-

Appendix B.2. (Page 10 of 17)

E.O.#	Issued	Effective	Action Taken
			<ul style="list-style-type: none"> - Northeast Kodiak and Eastside Kodiak Districts - Mainland District except for the Wide Bay Section <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> Reduced in: Kitoi Bay to the regulatory markers located at Big and Little Kitoi Creeks
26	10:30 AM 7/27/99	12:00 Noon 7/28/99	<p>Reduced Markers effective 12:00 Noon 7/28 to 9:00 PM 7/30</p> <ul style="list-style-type: none"> - Saltery Cove will be reduced 1,500 yards to 57°30.25' N.Lat. and 152°46.55' W. Long. <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> Reduced in: Kitoi Bay to the regulatory markers located at Big and Little Kitoi Creeks until further notice, and Saltery Cove until 9:00 PM 7/30
27	1:30 PM 7/29/99	9:00PM 7/30/99	<p><u>Extension for 24 hours, 9:00 PM 7/30 to 9:00 PM 7/31</u></p> <ul style="list-style-type: none"> - Cape Alitak and Moser-Olga Bay Sections - Outer Ayakulik - Halibut Bay Section <p><u>Extension until further notice</u></p> <ul style="list-style-type: none"> - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section - Spiridon Lake Terminal Harvest Area <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> Reduced in: Kitoi Bay until further notice, and Saltery Cove until 9:00 7/30
28	10:30 AM 7/31/99	12:00 Noon 8/3/99	<p><u>Opening 12:00 Noon 8/3 to 9:00 PM 8/5</u></p> <ul style="list-style-type: none"> - Afognak District - Northwest Kodiak District except for the Zachar Bay Section - Alitak Bay District - Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape - Northeast Kodiak District except for the Buskin River Section - Outer Ayakulik and Cape Igvak Sections

-Continued-

Appendix B.2. (Page 11 of 17)

E.O.#	Issued	Effective	Action Taken
			<u>Extension until further notice</u> - Duck Bay, Izhut Bay and Kitoi Bay Sections - Spiridon Lake Terminal Harvest Area
			<u>Reduced water adjustments</u> Reduced in: Kitoi Bay until further notice
29	10:30 AM 8/4/99	9:00 PM 8/5/99	<u>Extension for 48 hours, 9:00 PM 8/5 to 9:00 PM 8/7</u> - Northwest Afognak, Southwest Afognak and Southeast Afognak Sections - Northwest Kodiak District except for the Zachar Bay Section - Cape Alitak and Moser-Olga Bay Sections - Outer Ayakulik and Cape Igvak Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape
			<u>Extension until further notice</u> - Duck Bay, Izhut Bay and Kitoi Bay Sections - Spiridon Lake Terminal Harvest Area
			<u>Closed water adjustments</u> Reduced in: Kitoi Bay to the regulatory markers located at Big and Little Kitoi Creeks
30	4:00 PM 8/6/99	3:00 PM 8/7/99	<u>Opening for 6 hours, 3:00 PM 8/7 to 9:00 PM 8/7</u> - Humpy-Deadman Section, closed waters will be reduced at Humpy Creek to the stream terminus of Humpy Cove Creek #257-701
			<u>Extension until further notice</u> - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section - Spiridon Lake Terminal Harvest Area
			<u>Closed water adjustments</u> Reduced in: Kitoi Bay to the regulatory markers at Big & Little Kitoi Creeks
31	1:30 PM 8/9/99	12:00 Noon 8/11/99	<u>Opening for 57 hours, 12:00 Noon 8/11 to 9:00 PM 8/13</u> - Afognak District - Northwest Kodiak District except for the Zachar Bay Section - Alitak Bay District - Outer Ayakulik Section - Northeast Kodiak District except for Buskin River Section - Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape

-Continued-

Appendix B.2. (Page 12 of 17)

E.O.#	Issued	Effective	Action Taken
			<u>Extension until further notice</u> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, and Kitoi Bay Sections - Spiridon Lake Terminal Harvest Area
			<u>Closed water adjustments</u> <p>Reduced in: Kitoi Bay to the regulatory markers at Big and Little Kitoi Creeks</p>
32	10:30 AM 8/12/99	9:00 PM 8/13/99	<u>Extension</u> for 48 hours, from 9:00 PM 8/13 to 9:00 PM 8/15 <ul style="list-style-type: none"> - Afognak District except for the Shuyak Island and Perenosa Bay Sections which will close 9:00 PM 8/13 - Northwest Kodiak District except for the Zachar Bay Section - Alitak Bay District - Outer Ayakulik Section - Northeast Kodiak District except for the Buskin River Section - Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape <u>Extension until further notice</u> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, and Kitoi Bay Sections - Spiridon Lake Terminal Harvest Area
			<u>Closed water adjustments</u> <p>Reduced in: Kitoi Bay to the regulatory markers located at Big and Little Kitoi Creeks</p>
33	10:00AM 8/14/99	9:00PM 8/15/99	<u>Closure effective 9:00 PM 8/15</u> <ul style="list-style-type: none"> - Izhut Bay Section - Kitoi Bay Section <u>Opening for 54 hours, 12:00 Noon 8/16 to 6:00 PM 8/18</u> <ul style="list-style-type: none"> - Shuyak Island Section - Perenosa Bay Section <u>Extension until 6:00 PM 8/17</u> <ul style="list-style-type: none"> - The remainder of the Afognak District - Northwest Kodiak District except for the Zachar Bay Section - Alitak Bay District - Outer Ayakulik Section - Northeast Kodiak District except for the Buskin River Section - Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape <u>Extension until further notice</u> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area

-Continued-

Appendix B.2. (Page 13 of 17)

E.O.#	Issued	Effective	Action Taken
			<u>Closed water adjustments</u> Reduced in: Kitoi Bay to the regulatory markers located at Big and Little Kitoi Creeks
34	3:00 PM 8/16/99	12:00 Noon 8/17/99	<u>Opening</u> for 78 hours, 12:00 Noon 8/17 to 6:00 PM 8/20 - Seven Rivers Section <u>Extension</u> until 6:00 PM 8/20 - Afognak District except for Izhut and Kitoi Bay Sections and Shuyak Island and Perenosa Bay Sections which close at 6:00 PM 8/18 - Northwest Kodiak District except for the Zachar Bay Section - Humpy-Deadman Section - Outer Ayakulik Section - Northeast Kodiak District except for the Buskin River Section - Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape <u>Extension</u> until further notice - Spiridon Lake Terminal Harvest Area
35	4:00 PM 8/19/99	12:00 Noon 8/21/99	<u>Opening</u> for 54 hours, 12:00 Noon 8/21 to 6:00 PM 8/23 - Izhut Bay Section <u>Opening</u> for 30 hours, 12:00 Noon 8/22 to 6:00 PM 8/23 - Cape Ahitak Section - Moser-Olga Bay Section <u>Extension</u> until 6:00 PM 8/25 - Afognak District except for the Shuyak Island, Perenosa Bay and Kitoi Bay Sections which are closed, and the Izhut Bay Section which will open on 8/21 - Northwest Kodiak District except for the Zachar Bay Section - Humpy-Deadman Section - Outer Ayakulik Section - Northeast Kodiak District except for the Buskin River Section - Seven Rivers, Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape <u>Extension</u> until further notice - Spiridon Lake Terminal Harvest Area

-Continued-

Appendix B.2. (Page 14 of 17)

E.O.#	Issued	Effective	Action Taken
36	10:00 AM 8/21/99	12:00 Noon 8/22/99	<u>Opening</u> at 12:00 Noon 8/22 to 6:00 PM 8/25 - Inner Ayakulik Section - Buskin River Section
		12:00 Noon 8/21/99	<u>Extension</u> from 12:00 Noon 8/21 to 6:00 PM 8/25 - Izhut Bay Section
		12:00 Noon 8/22/99	<u>Extension</u> for 48 hours, 12:00 Noon 8/23 to 6:00 PM 8/25 - Cape Alitak Section - Moser-Olga Bay Section
			<u>Extension</u> until further notice - Spiridon Lake Terminal Harvest Area
37	10:15 AM 8/24/99	6:00 PM 8/25/99	<u>Closure</u> effective 6:00 PM 8/25 - Inner and Outer Ayakulik Sections
		12:00 Noon 8/25/99	<u>Opening</u> from 12:00 Noon 8/25 to 6:00 PM 8/28 - Halibut Bay Section - That portion of the Outer Karluk Section north of the latitude of Cape Uyak ($57^{\circ}38.23'$ N. Lat.)
			<u>Extension</u> until 6:00 PM 8/28 - Afognak District except for the Shuyak Island, Perenosa Bay, and Kitoi Bay Sections - Northwest Kodiak District except for the Zachar Bay Section - Alitak Bay District - Northeast Kodiak District - Seven Rivers, Outer Ugak Bay and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda bay west of a line from Left Cape to Pillar Cape
			<u>Extension</u> until further notice - Spiridon Lake Terminal Harvest Area
38	10:15 AM 8/27/99	6:00 PM 8/28/99	<u>Closure</u> effective 6:00 PM 8/28 - Outer Ugak Bay Section
			<u>Extension</u> until 6:00 PM 8/31 - Afognak District except for the Shuyak Island, Perenosa Bay, and Kitoi Bay Sections - Halibut Bay Section and that portion of the Outer Karluk Section north of the latitude of Cape Uyak ($57^{\circ}38.23'$ N. Lat.) - Northwest Kodiak District except for the Zachar Bay Section - Alitak Bay District - Northeast Kodiak District

-Continued-

Appendix B.2. (Page 15 of 17)

E.O.#	Issued	Effective	Action Taken
			<ul style="list-style-type: none"> - Seven Rivers and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape
			<u>Extension until further notice</u> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area
39	10:00 AM 8/30/99	12:00 Noon 8/31/99	<u>Opening</u> from 12:00 Noon 8/31 to 6:00 PM 9/3 <ul style="list-style-type: none"> - Perenosa Bay Section
		6:00 PM 8/31/99	<u>Closure</u> effective 6:00 PM 8/31 <ul style="list-style-type: none"> - Cape Alitak Section - Moser-Olga Bay Section
			<u>Extension until 6:00 PM 9/3</u> <ul style="list-style-type: none"> - Afognak District except for Shuyak Island and Kitoi Bay Sections which are closed, and the Perenosa Bay Section which opens 8/31 - Halibut Bay Section and that portion of Outer Karluk Section north of the latitude of Cape Uyak (57°38.23' N. Lat.) - Northwest Kodiak District except for Zachar Bay Section - Northeast Kodiak District - Humpy-Deadman, Seven Rivers, and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape
			<u>Extension until further notice</u> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area
40	11:45 AM 9/1/99	12:00 Noon 9/3/99	<u>Opening</u> from 12:00 Noon 9/3 to 6:00 PM 9/7 <ul style="list-style-type: none"> - Cape Alitak Section - Moser-Olga Bay Section
		12:00 Noon 9/3/99	<u>Opening</u> from 12:00 Noon 9/3 to 6:00 PM 9/7 <ul style="list-style-type: none"> - Big River Section - Hallo Bay Section - Katmai Section - Alinchak Bay Section - Cape Igvak Section - Wide Bay Section
		6:00 PM 9/3/99	<u>Closure</u> effective 6:00 PM 9/3 <ul style="list-style-type: none"> - Uyak Bay Section - Spiridon Bay Section - Inner Uganik Bay Section - Terror Bay Section - Kizhuyak Bay Section

-Continued-

Appendix B.2. (Page 16 of 17)

E.O.#	Issued	Effective	Action Taken
			<ul style="list-style-type: none"> - Sheratin Bay Section - Anton Larsen Bay Section
			<u>Extension until 6:00 PM 9/7</u> <ul style="list-style-type: none"> - Afognak District except for the Shuyak Island and Kitoi Bay sections - Halibut Bay Section and that portion of the Outer Karluk Section north of the latitude of Cape Uyak (57°38.23' N. Lat.) - Central and North Cape Sections - Northeast Kodiak District - Humpy-Deadman, Seven Rivers, and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape
			<u>Extension until further notice</u> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area
41	9:15 AM 9/5/99	12:00 Noon 9/6/99	<u>Opening</u> from 12:00 Noon 9/6 to 6:00 PM 9/10 <ul style="list-style-type: none"> - Kitoi Bay Section east of a line between the ADF&G regulatory markers located at the "Jaws" <u>Extension until 6:00 PM 9/10</u> <ul style="list-style-type: none"> - Afognak District except for Shuyak Island Section - Halibut Bay Section and that portion of the Outer Karluk Section north of the latitude of Cape Uyak (57°38.23' N. Lat.) - Central and North Cape Sections - Alitak Bay District - Northeast Kodiak District - Seven Rivers, and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape - Big River, Hallo Bay, Katmai, Alinchak Bay, Cape Igvak, and Wide Bay Sections <u>Extension until further notice</u> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area
42	3:00 PM 9/8/99	6:00 PM 9/12/99	<u>Closure effective 6:00 PM 9/12</u> <ul style="list-style-type: none"> - Spiridon Lake Terminal Harvest Area <u>Extension until further notice</u> <ul style="list-style-type: none"> - Afognak District except for Shuyak Island Section - That portion of the Kitoi Bay Section east of a line between the ADF&G regulatory markers located at the "Jaws" - Halibut Bay Section and that portion of the Outer Karluk Section north of the latitude of Cape Uyak (57°38.23' N. Lat.)

-Continued-

Appendix B.2. (Page 17 of 17)

E.O.#	Issued	Effective	Action Taken
			<ul style="list-style-type: none"> - Central and North Cape Sections - Alitak Bay District - Northeast Kodiak District - Seven Rivers, and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape - Big River, Hallo Bay, Katmai, Alinchak Bay, Cape Igvak, and Wide Bay Sections
43	9:00 AM 9/21/99	12:00 Noon 9/22/99	<p><u>Opening</u> from 12:00 Noon 9/22 until further notice</p> <ul style="list-style-type: none"> - Inner Karluk Section - Outer Karluk Section south of latitude of Cape Uyak (57°38.23' N. Lat.) <p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Afognak District except for Shuyak Island Section - That portion of the Kitoi Bay Section east of a line between the ADF&G regulatory markers located at the "Jaws" - Halibut Bay Section and that portion of the Outer Karluk Section north of the latitude of Cape Uyak (57°38.23' N. Lat.) - Central and North Cape Sections - Alitak Bay District - Northeast Kodiak District - Seven Rivers, and Two Headed Sections - Sitkalidak Section except for that portion of Kiliuda Bay west of a line from Left Cape to Pillar Cape - Big River, Hallo Bay, Katmai, Alinchak Bay, Cape Igvak, and Wide Bay Sections

Appendix C.1. Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 1999.

Introduction

Beginning in 1964 a purse seine fishery developed along the capes in the Cape Igvak Section of the Mainland District (Appendix A.6). Tagging studies and stock identification studies using average weight and age composition conducted in 1968 and 1969 concluded that up to 80 percent of the sockeye salmon harvested in the Cape Igvak Section were of Chignik origin (Simon et al. 1969). The issue of interception of Chignik bound sockeye salmon in the Cape Igvak Section came before the Board of Fisheries several times over the next ten years, and management of this section was modified many times. From 1974 through 1977, this area was managed for "day for day" equal fishing time with Chignik.

In 1978, a specific management plan for the Cape Igvak Section was adopted by the BOF. The Cape Igvak Salmon Management Plan (CISMP; 5 AAC 18.360) covers the time period from June 5 through July 25 for fishing activity in the Cape Igvak Section of the Mainland District. This management plan stipulates that 80% of the sockeye salmon harvest from the Cape Igvak Section during the June 5 to July 25 period will be considered Chignik bound, and allows the KMA fleet to harvest up to 15 % of the Chignik bound sockeye salmon harvest¹. The CISMP also stipulates strict allocative and biological requirements, which must be met prior to any fisheries occurring in the Cape Igvak Section. Since this plan was adopted, the catch of Chignik bound sockeye salmon from the Cape Igvak Section has ranged from 0.0% to 15.9% of the total Chignik sockeye salmon harvest (Appendix C.2. and C.3).

There are two distinct runs of sockeye salmon to the Chignik Lakes System. First run sockeye salmon, bound for Black Lake, predominate in June, and the second run, bound for Chignik Lake, predominate in July and early August. Because of difficulty in evaluating the strength of the second run the management plan states that commercial fishing will be restricted or disallowed in the Cape Igvak Section from June 26 to July 9.

1999 Cape Igvak Salmon Fishery

Commercial fishing time was allowed in the Cape Igvak Section during the June 5 to July 25 timing of the management plan. The Cape Igvak fishery first opened June 16, and 14 days of fishing were allowed prior to the end of the management plan period. One hundred twenty six (126) purse seiners participated, harvesting 1,990 chinook salmon, 570,184 sockeye salmon, 8,825 coho salmon, 203,722 pink salmon, and 119,362 chum salmon (Appendix C.4). Of the total sockeye salmon harvest during the management plan period 80 percent, or 456,147 sockeye salmon, were considered Chignik bound.

-Continued-

¹ Chignik bound sockeye salmon are also harvested in the Southeastern Mainland District of the Alaska Peninsula Management Area, in accordance with the regulatory Southeastern District Mainland Salmon Management Plan, 5 AAC 09.360.

Appendix C.1. (page 2 of 3)

Combined with the harvest in the Chignik Management Area (CMA) and with the harvest of Chignik bound sockeye from other areas, the Cape Igvak harvest was calculated to account for approximately 15.4% of the total Chignik sockeye salmon return (Appendix C.2.).

First Run

In 1999, the preseason forecast for the Chignik system called for a return of approximately 1.04 million early-run (Black Lake) sockeye salmon (Geiger and Hart 1999). The early run escapement goal is 400,000 sockeye salmon, by June 30. This left a forecasted harvestable surplus of 649 thousand early run sockeye salmon.

Initial sockeye salmon escapements into the Chignik River system were excellent. Through June 13 the escapement was over 69,000 sockeye salmon, above the desired interim goal of 45,000 to 52,500. ADF&G regional and Chignik Area biologists felt that the first run was coming in at least as strong as expected, and commercial fishing time was announced for the CMA beginning at 5:15 am June 13. Early indications showed that the catch was very high, estimated at over 250,000 sockeye salmon. The determination was also made that the allocative conditions of section (c) of the CISMP were being met, and so a 48 hour commercial fishing period was allowed in the Cape Igvak Section, running from 12:01 am June 16 to 12:01 am June 18. Continued good escapements through the weir and good harvests at Chignik allowed fisheries managers to extend the Igvak fishery for 48 hours from 12:01 am June 18 to 12:01 am June 20.

Sockeye salmon escapements continued to meet interim escapement goals with a cumulative of over 300,000 sockeye salmon passed the Chignik weir on June 25. The CISMP provides for an "overlap period" between the first and second runs (approximately June 26 to July 9) during which fishing in the Cape Igvak Section is closed or severely limited until the strength of the second run (Chignik Lake) can be assessed. Continued fishing was expected in the Chignik Area. In order to allow the harvest by Kodiak fishers to maintain their percentage allocation through the overlap period a 48 hour fishing period was allowed from 12:01 am June 25 through 12:01 am June 27. Fishing remained open in the CMA through 6:00 PM June 26.

By June 27, 383,340 sockeye salmon from the Cape Igvak Section were harvested. An estimated 80% of these sockeye, or 306,672, were considered Chignik bound salmon. Combined with the harvest in the CMA and with Chignik bound sockeye harvested in other areas, the Cape Igvak percentage was calculated at approximately 21.5%. In accordance with the CISMP, the Igvak fishery was then closed through July 9, pending evaluation of the late run of Chignik system sockeye salmon.

-Continued-

Second Run

In 1999, the preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 1.2 million fish. The late-run escapement goal is 250,000. This left a forecasted harvestable surplus of 1.035 million sockeye salmon.

By July 9 the percentage harvest by Cape Igvak fishers was below 15%, and fishing was allowed in the Cape Igvak Section beginning at 12:01 AM on July 13. This was followed by an opening on July 19, and was extended through July 25, which concluded the time period that the CISMP was in effect.

Fish ticket data shows that from July 13 through July 25, KMA purse seine permit holders harvested an additional 186,844 sockeye salmon (Appendix 4). An estimated 80% of these sockeye, or 149,475, were considered Chignik bound salmon. Combined with the harvest in the CMA and with Chignik bound sockeye salmon harvested in other areas, the Cape Igvak percentage was calculated at approximately 15.4%.

Appendix C.2. Harvest of sockeye salmon considered by regulation to be Chignik bound,
in the Chignik, Cape Igvak, and Southeastern District Mainland
commercial salmon fisheries, from 1964 to 1999.

Year	Chignik		Cape Igvak ^a		Mainland ^a		Total
	Catch ^b	Percent	Catch ^b	Percent	Catch ^b	Percent	
1964 ^c	556,890	90.57	14,980	2.44	43,021	7.00	614,891
1965	599,553	89.94	11,021	1.65	56,020	8.40	666,594
1966	219,794	87.99	18,003	7.21	12,011	4.81	249,808
1967	462,000	91.48	23,014	4.56	20,021	3.96	505,035
1968	977,382	82.53	135,951	11.48	70,959	5.99	1,184,292
1969	394,135	78.96	97,982	19.63	7,013	1.41	499,130
1970	1,325,734	72.51	434,394	23.76	68,181	3.73	1,828,309
1971	1,016,136	80.33	197,614	15.62	51,272	4.05	1,265,022
1972	378,218	87.99	33,865	7.88	17,752	4.13	429,835

1964 to 1972 catch and percentage figures are totals for the entire season. Catch figures and percentages after 1972 are only through July 25.

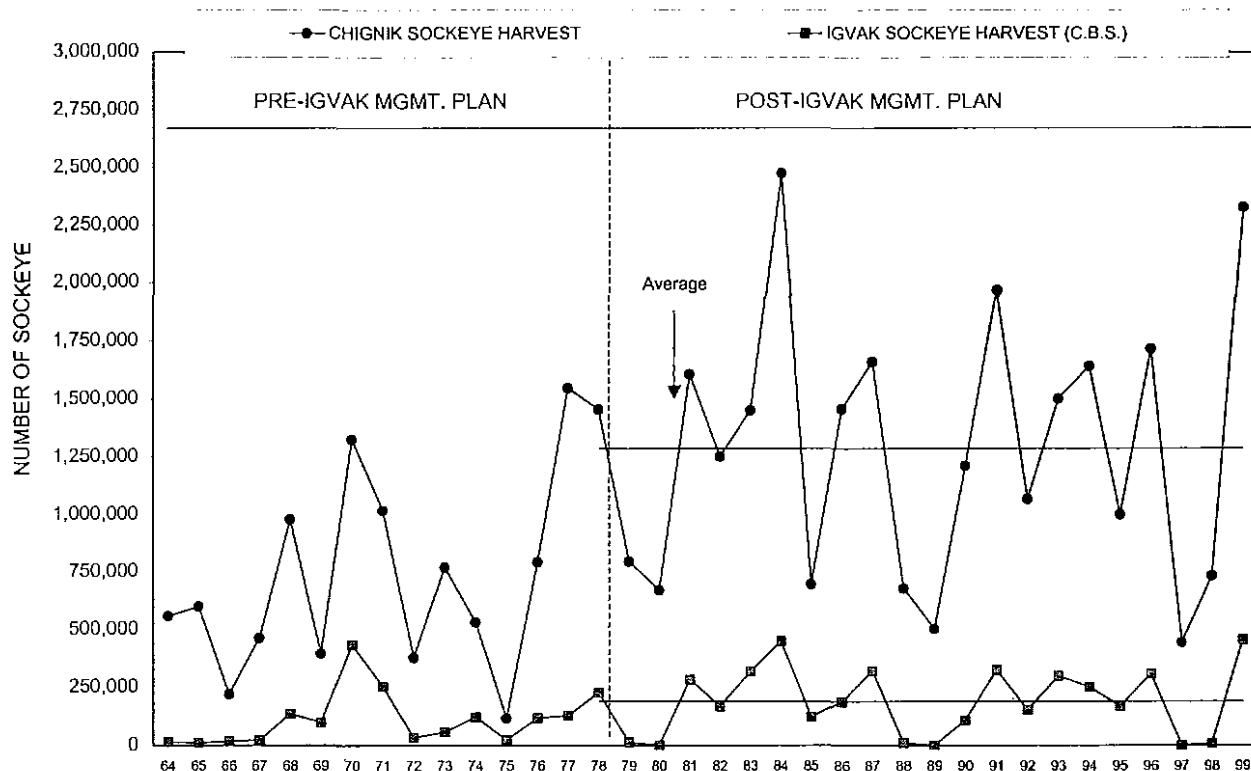
1973 ^d	769,258	88.97	57,348	6.63	37,983	4.39	864,589
1974	530,278	73.61	122,071	16.95	68,029	9.44	720,378
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	82.96	117,926	12.35	44,730	4.69	954,680
1977	1,547,285	90.40	128,852	7.53	35,502	2.07	1,711,639
1978 ^{e,f}	1,454,389	85.38	227,014	13.33	22,064	1.30	1,703,467
1979 ^g	794,504	91.81	13,950	1.61	56,878	6.57	865,332
1980	670,001	91.31	32	0.00	63,724	8.68	733,757
1981	1,606,300	79.85	282,727	14.06	122,533	6.09	2,011,560
1982	1,250,768	84.46	167,401	11.30	62,767	4.24	1,480,936
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,068	12.64	3,346,845
1985 ^h	696,169	79.91	123,627	14.19	51,421	5.90	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,615	77.99	321,506	15.11	146,886	6.90	2,128,007
1988	675,487	95.67	11,218	1.59	19,320	2.74	706,025
1989	496,044	99.10	0	0.00	4,485	0.90	500,529
1990	1,205,575	83.61	107,706	7.47	128,599	8.92	1,441,880
1991 ⁱ	1,958,954	80.42	324,329	13.31	152,714	6.27	2,435,997
1992 ^j	1,054,309	81.07	152,358	11.72	93,845	7.22	1,300,512
1993	1,495,098	77.72	300,055	15.60	128,536	6.68	1,923,689
1994 ^k	1,632,435	80.61	250,230	12.36	142,350	7.03	2,025,015
1995	1,024,785	79.90	169,530	13.22	88,302	6.88	1,282,617
1996 ^l	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	0	0.00	0	0.00	443,892
1998 ^m	786,466	91.22	8,813	1.02	66,893	7.76	862,172
1999	2,326,811	78.70	456,147	15.43	173,621	5.87	2,956,579

-Continued-

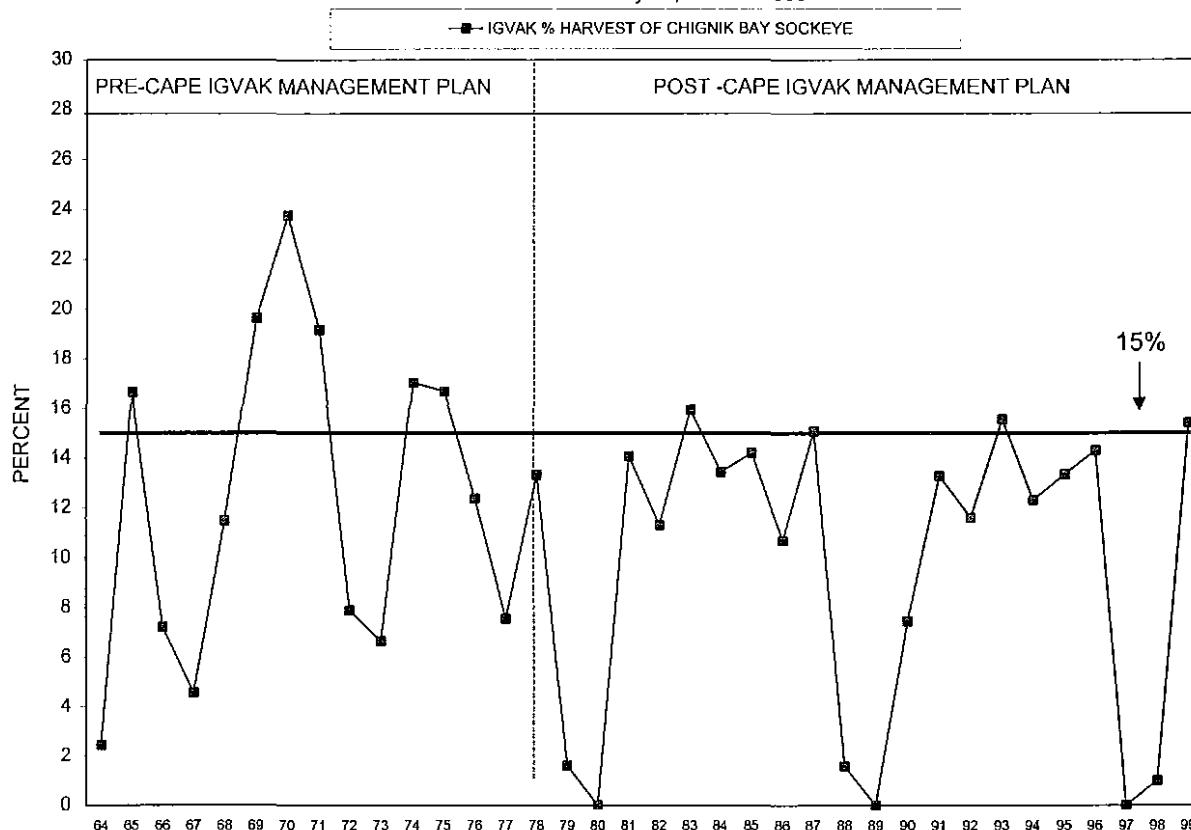
Appendix C.2. (page 2 of 2)

- ^a The Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye salmon catch for those areas, based on the premise that only 80% of the sockeye caught in those areas are destined for Chignik (excluding sockeye caught in the Northwest Stepovak Section from 1964 to 1991 and during July 1996, and in Orzinski Bay from 1992 to 1995).
- ^b Catch numbers were last modified from the ADF&G computerized historical fish ticket data base in 2000.
- ^c The data from 1964 to 1972 are based on total yearly catches. Prior to 1973 the Cape Igvak and Southeastern District Mainland fisheries were weekly fishing periods set by regulation, usually 5 days per week. Time modifications were implemented when poor escapements occurred at Chignik.
- ^d From 1974 through 1977 all three fisheries were managed on a day by day basis.
- ^e Beginning in 1978 the Cape Igvak Salmon Management Plan allocated up to 15% of the total catch of Chignik bound sockeye salmon to Kodiak Management Area fishers.
- ^f In 1978 seining prior to July 11 was disallowed in the Southeastern District Mainland. Set gillnet fisheries were allowed for 3 days per week through July 10, after which the fishery was based on local stock abundance.
- ^g From 1979 through 1984 fishing in the Southeastern District Mainland was allowed for 5 days per week prior to July 11, with an estimated ceiling of 60,000 Chignik bound sockeye. If the Chignik Management Area catch was 1,000,000 or more before July 11 then the ceiling was removed.
- ^h Beginning in 1985 the Southeastern District Mainland (excluding the Northwest Stepovak Section and Orzinski Bay) was allowed an allocation of 6.2% of the total harvest of Chignik bound sockeye salmon through July 25. After July 25 the Southeast District Mainland was managed based on local stock abundance. The allocation level changed to 6.0% beginning in 1988, with seining still not allowed prior to July 11.
- ⁱ Includes over escapement of 208,305 sockeye salmon, counted through the Chignik weir during a Chignik Area Seiners strike (June 23 to July 4).
- ^j Beginning in 1992, after Board of Fisheries review of historical records, the allocation of Chignik bound sockeye to the Southeastern District Mainland fishery (excluding Orzinski Bay) was increased to 7.0%, through July 25.
- ^k Includes over escapement of 208,921 sockeye salmon, counted through the Chignik weir during a Chignik Area Seiners strike (June 2 to June 25).
- ^l In January 1996 the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1 the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July 1 the Northwest Stepovak Section is managed entirely on local stocks. The BOF also decreased the percentage of Chignik bound sockeye salmon allocated to the Southeastern District Mainland fishery from 7.0 percent to 6.0 percent.
- ^m Includes 7,714 sockeye salmon caught on June 18 by the Chignik Seiners Association (CSA), and an overescapement of 52,131 sockeye salmon counted past the weir during the CSA boycott (June 16 to June 29).

Harvest Comparison of Chignik Bound Sockeye Salmon (CBS)
June 5 to July 25, 1964 to 1999



Percent Harvest of Chignik Bound Sockeye Salmon in the Cape Igvak Fishery
June 5 to July 25, 1964 to 1999



Appendix C.3. Impact of the Cape Igvak Salmon Management Plan, 1964-1999.

Appendix C.4. Purse seine daily salmon harvest, by species, for the Cape Igvak Salmon Management Plan units, 1999.

Date	Permits	Landing	CHINOOK		SOCKEYE		COHO		PINK		CHUM		TOTAL	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Run (June 5 - July 25)														
16-Jun	57	59	152	2,352	51,760	290,205	0	0	57	161	2,258	15,887	54,227	308,605
17-Jun	39	39	154	2,337	51,294	272,478	0	0	84	234	1,924	12,909	53,456	287,958
18-Jun	40	43	140	2,296	47,047	270,297	0	0	125	361	2,068	16,104	49,380	289,058
19-Jun	32	34	42	694	41,129	225,891	0	0	165	481	1,874	15,427	43,210	242,493
20-Jun	25	25	135	1,526	54,521	240,535	0	0	66	185	1,511	9,594	56,233	251,840
25-Jun	56	59	196	3,239	93,043	504,558	0	0	1,529	3,947	7,932	64,347	102,700	576,091
26-Jun	50	56	80	1,217	39,972	231,475	0	0	587	1,532	4,111	32,165	44,750	266,389
27-Jun	6	6	17	333	4,574	28,426	0	0	95	233	453	3,679	5,139	32,671
TOTAL		321	916	13,994	383,340	2,063,865	0	0	2,708	7,134	22,131	170,112	409,095	2,255,105
Second Run (July 9 - July 25)														
13-Jul	33	33	52	751	19,863	109,351	87	579	18,594	42,553	5,624	47,303	44,220	200,537
14-Jul	34	34	46	724	15,862	90,521	86	552	14,019	34,897	4,949	41,987	34,962	168,681
15-Jul	5	5	15	295	2,593	14,689	1	6	2,320	6,985	782	5,493	5,711	27,468
19-Jul	20	21	57	698	9,516	53,288	519	3,860	12,691	35,827	4,748	42,003	27,531	135,676
20-Jul	25	26	85	1,018	17,134	97,680	957	6,754	23,244	67,116	9,209	84,245	50,629	256,813
21-Jul	23	24	194	2,632	17,491	96,990	923	6,647	24,891	59,605	8,843	71,391	52,342	237,265
22-Jul	19	21	157	2,039	21,300	116,623	1,136	8,785	26,279	66,186	11,901	96,968	60,773	290,601
23-Jul	31	35	190	2,136	33,029	179,577	1,990	15,637	30,703	80,230	18,827	156,948	84,739	434,528
24-Jul	32	36	162	1,846	28,051	145,997	1,392	11,178	23,441	69,353	17,063	138,877	70,109	367,251
25-Jul	33	34	116	1,814	22,005	118,735	1,734	13,437	24,832	72,931	15,285	124,032	63,972	330,949
SUBTOTAL		269	1,074	13,953	186,844	1,023,451	8,825	67,435	201,014	535,683	97,231	809,247	494,988	2,449,769
TOTAL		590	1,990	27,947	570,184	3,087,316	8,825	67,435	203,722	542,817	119,362	979,359	904,083	4,704,874
POST IGVAK MANAGEMENT														
27-Jul	23	23	68	932	8,670	40,674	1,235	10,066	11,425	30,597	11,575	90,823	32,973	173,092
28-Jul	29	30	139	1,735	19,664	97,368	3,021	22,916	32,306	93,985	15,524	116,329	70,654	332,333
29-Jul	33	33	54	745	11,048	57,261	1,916	13,014	24,751	68,660	15,858	118,639	53,627	258,319
30-Jul	26	26	53	605	9,986	52,508	1,771	12,368	26,255	74,884	13,961	104,801	52,026	245,166
5-Aug	18	19	31	361	2,144	11,952	840	6,730	21,422	58,013	3,177	25,957	27,614	103,013
6-Aug	7	7	16	291	1,935	10,491	367	2,606	16,241	46,352	3,196	28,586	21,755	88,326
7-Aug	9	9	46	481	1,671	8,910	566	4,519	12,158	41,740	5,937	52,458	20,378	108,108
Subtotal		147	407	5,150	55,118	279,164	9,716	72,219	144,558	414,231	69,228	537,593	279,027	1,308,357
Grand Total	126	737	2,397	33,097	625,302	3,366,480	18,541	139,654	348,280	957,048	188,590	1,516,952	1,183,110	6,013,231

Appendix D.1. Narrative account of the Alitak Bay District salmon fishery in the Kodiak Management Area, 1999.

Introduction

The salmon fisheries of the Alitak Bay area (Appendix A.3) are some of the oldest in the KMA. Sockeye salmon bound for Upper Station (Olga Lakes) were targeted as early as 1882, and the first cannery was built in this area in 1889 with others soon following. As competition increased, sockeye salmon stocks declined, and pink salmon made up a substantial portion of the harvest from this district after 1924. With statehood came greater control over the fishery, and the Alaska Department of Fish and Game was given the duty to conserve and rebuild salmon stocks. Sockeye salmon were introduced into the previously barren Frazer Lake beginning in 1951. This introduction was successful, and since the early 1970s the Frazer system has had a self sustaining sockeye salmon stock.

The Alitak Bay District fishery is unique in the KMA, because set gillnet and seine gear can fish in this district, but are segregated in different sections. Set gillnets are allowed only in the inside waters of the Moser-Olga Bay Section, while seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman Sections (Appendix A.3. and A.4). Prior to the mid 1980s various strategies were applied in the Alitak Bay District to conserve and build the sockeye salmon stocks returning to the Frazer, Akalura, and Upper Station systems, while offering some protection to local pink, chum, and coho salmon stocks. In 1987 the existing harvest strategy was formalized into a regulatory management plan, and was adopted by the BOF (5AAC 18.361). This plan details the key species and targeted stocks that are managed for in each section of the district throughout the fishing season. The stated intent of this plan is that salmon be harvested in the "traditional" fisheries located in the Cape Alitak, Humpy-Deadman, and Moser-Olga Bay Sections (ADF&G 1999).

1999 Alitak Bay District Fisheries

As scheduled in the 1999 Kodiak Area Commercial Salmon Fishery Harvest Strategy the first commercial salmon fishing period for this District began on June 9 (Prokopowich 1999). Commercial salmon fisheries occurred in Alitak Bay District management units throughout the season, based on run strength of local sockeye, pink and coho salmon stocks. The last Alitak Bay District delivery occurred on September 16. In total, 271 chinook salmon, 631,356 sockeye salmon, 13,126 coho salmon 1,353,858 pink salmon, and 78,950 chum salmon, were harvested (Appendix D.2). Fifty (50) purse seine permit holders fished in the Alitak Bay District fisheries, and harvested 239 chinook salmon (88% of the total chinook harvest), 193,096 sockeye salmon (31%), 3,439 coho salmon (26%), 1,187,407 pink salmon (88%), and 66,040 chum salmon (84%). Seventy six (76) gill net permit holders fished in the Alitak Bay District, and harvested 32 chinook (12%), 438,260 sockeye salmon (69%), 9,687 coho salmon (74%), 166,451 pink salmon (12%), and 12,910 chum salmon (16%). Further, the gill net harvest can be apportioned between the

-Continued-

Appendix D.1. (page 2 of 2)

Moser Bay fisheries (statistical area 257-41) and Olga Bay fisheries (statistical area 257-30,-40, and -42). Seventy two (72) Moser Bay gill net fishers harvested 29 chinook salmon, 318,283 sockeye salmon (50% of the total sockeye harvest; Appendix D.4.), 7,301 coho salmon, 130,719 pink salmon, and, 8,889 chum salmon, while forty two (42) gill net fishers harvested 3 chinook salmon, 119,977 sockeye salmon (19% of the total sockeye harvest), 2,386 coho salmon, 35,732 pink salmon, and 4,041 chum salmon in Olga Bay.

The daily salmon harvests, by species and by gear type and management unit, can be found in Appendices D.5. through D.6.

Appendix D.2. Salmon harvest, by gear type and by species, for Alitak Bay District management units, 1999.

Date	Permits	Landings	CHINOOK		SOCKEYE		COHO		PINK		CHUM		TOTAL	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
PURSE SEINE														
TOTAL	50	618	239	4,962	193,096	1,002,425	3,439	28,144	1,187,407	3,706,291	66,040	561,908	1,450,221	5,303,730
Average Weight	-			20.8		5.2		8.2		3.1		8.5		
SET GILLNET														
TOTAL	76	2,213	32	395	438,260	2,305,134	9,687	83,443	166,451	572,210	12,910	107,839	627,340	3,069,021
Average Weight	-			12.3		5.3		8.6		3.4		8.4		
GEAR														
TOTAL	126	2,831	271	5,357	631,356	3,307,559	13,126	111,587	1,353,858	4,278,501	78,950	669,747	2,077,561	8,372,751
Average Weight	-													
ADF&G TEST FISHERY														
TOTAL	*	34	0	0	2,223	11,732	0	0	75	295	50	404	2,348	12,431
Average Weight	-					5.3				3.9		8.1		
ALL GEAR														
TOTAL		2,865	271	5,357	633,579	3,319,291	13,126	111,587	1,353,933	4,278,796	79,000	670,151	2,079,909	8,385,182
Average Weight	-			19.8		5.2		8.5		3.2		8.5		

* = Confidential information.

Appendix D.3. Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak Bay District of the Kodiak Management Area, 1954 - 1999.

YEAR	Chinook				Sockeye				Coho				Pink				Chum				TOTAL				
	Number	GN%	PS%		Number	GN%	PS%		Number	GN%	PS%		Number	GN%	PS%		Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
1954	3	33%	67%		44,448	94%	6%		1,118	93%	7%		490,038	47%	53%		55,788	19%	81%	591,395	48%	52%			
1955	38	74%	26%		56,058	89%	11%		410	68%	32%		1,656,363	15%	85%		100,031	17%	83%	1,812,900	18%	82%			
1956	10	10%	90%		62,673	77%	23%		904	25%	75%		335,669	30%	70%		55,967	11%	89%	455,223	34%	66%			
1957	7	14%	86%		15,365	88%	12%		378	31%	69%		410,620	12%	88%		49,661	27%	73%	476,031	16%	84%			
1958	11	0%	100%		30,542	79%	21%		488	33%	67%		770,851	29%	71%		81,255	8%	92%	883,147	29%	71%			
1959	11	18%	82%		24,888	59%	41%		378	30%	70%		544,592	23%	77%		70,589	8%	92%	640,458	23%	77%			
1960	29	17%	83%		68,472	77%	23%		2,129	77%	23%		1,561,476	25%	75%		102,432	13%	87%	1,734,538	26%	74%			
1961	23	4%	96%		145,781	67%	33%		1,470	49%	51%		1,589,027	14%	86%		60,600	18%	82%	1,796,901	19%	81%			
1962	5	20%	80%		124,496	75%	25%		1,792	79%	21%		1,886,769	23%	77%		54,115	26%	74%	2,067,177	26%	74%			
1963	30	7%	93%		54,992	60%	40%		1,202	31%	69%		1,522,856	14%	86%		42,836	10%	90%	1,621,916	15%	85%			
1964	29	10%	90%		50,167	72%	28%		2,324	76%	24%		1,408,731	46%	54%		34,460	13%	87%	1,495,711	46%	54%			
1965	16	6%	94%		68,876	68%	32%		688	16%	84%		1,129,185	11%	89%		20,604	17%	83%	1,219,369	14%	86%			
1966	2	50%	50%		70,526	91%	9%		585	78%	22%		429,204	40%	60%		33,153	18%	82%	533,470	46%	54%			
1967	6	0%	100%		14,227	82%	18%		50	0%	100%		84,918	66%	34%		17,377	55%	45%	116,378	66%	34%			
1968	16	44%	56%		40,662	86%	14%		3,701	79%	21%		1,046,221	21%	79%		29,450	35%	65%	1,120,050	24%	76%			
1969	27	37%	63%		98,722	54%	46%		7,240	7%	93%		3,768,917	8%	92%		45,134	15%	85%	3,920,040	10%	90%			
1970	8	50%	50%		81,528	76%	24%		4,540	73%	27%		949,488	27%	73%		93,306	15%	85%	1,128,870	30%	70%			
1971	33	30%	70%		124,480	55%	45%		2,261	66%	34%		1,066,180	10%	90%		191,437	7%	93%	1,384,391	14%	86%			
1972	15	40%	60%		22,127	70%	30%		1,270	51%	49%		187,154	17%	83%		93,236	6%	94%	303,802	18%	82%			
1973	4	50%	50%		10,338	62%	38%		125	70%	30%		49,932	35%	65%		24,408	19%	81%	84,807	34%	66%			
1974	19	16%	84%		66,605	52%	48%		1,284	49%	51%		363,389	9%	91%		22,220	9%	91%	453,517	16%	84%			
1975	0	0%	0%		16,515	72%	28%		1,627	3%	97%		235,720	11%	89%		2,855	40%	60%	256,717	15%	85%			
1976	18	28%	72%		96,668	71%	29%		3,518	53%	47%		1,804,003	26%	74%		66,183	14%	86%	1,970,390	28%	72%			
1977	20	40%	60%		78,805	69%	31%		1,343	57%	43%		961,673	23%	77%		70,978	12%	88%	1,112,819	26%	74%			
1978	694	58%	42%		218,165	59%	41%		2,788	52%	48%		4,191,756	12%	88%		72,166	16%	84%	4,485,569	14%	86%			
1979	108	24%	76%		317,906	50%	50%		15,007	54%	46%		1,664,249	7%	93%		22,454	32%	68%	2,019,724	14%	86%			
1980	34	21%	79%		208,200	83%	17%		12,972	34%	66%		2,033,236	12%	88%		67,471	12%	88%	2,321,913	18%	82%			
1981	45	13%	87%		346,073	74%	26%		17,011	55%	45%		2,073,629	13%	87%		61,513	37%	63%	2,498,271	22%	78%			
1982	43	30%	70%		476,862	86%	14%		29,378	40%	60%		519,880	27%	73%		101,543	22%	78%	1,127,706	52%	48%			
1983	159	12%	88%		460,087	59%	41%		28,953	45%	55%		1,318,526	7%	93%		107,786	21%	79%	1,915,511	21%	79%			
1984	290	11%	89%		382,729	67%	33%		25,299	51%	49%		433,806	25%	75%		84,924	24%	76%	927,048	43%	57%			
1985	199	21%	79%		703,186	63%	37%		43,914	48%	52%		1,057,912	14%	86%		84,760	33%	67%	1,889,971	34%	66%			
1986	134	17%	83%		1,247,976	58%	42%		30,548	44%	56%		728,205	17%	83%		75,643	16%	84%	2,082,506	42%	58%			
1987	105	11%	89%		515,410	63%	37%		17,959	53%	47%		916,875	9%	91%		59,723	37%	63%	1,510,072	29%	71%			
1988	624	11%	89%		1,123,474	58%	42%		30,001	38%	62%		385,735	35%	65%		93,391	35%	65%	1,633,225	51%	49%			
1990	807	17%	83%		1,435,461	52%	48%		18,176	65%	35%		144,927	13%	87%		50,304	36%	64%	1,649,675	48%	52%			
1991	821	10%	90%		2,062,718	58%	42%		24,601	52%	48%		2,373,516	5%	95%		83,003	24%	76%	4,544,659	30%	70%			
1992	1056	9%	91%		525,158	53%	47%		24,548	55%	45%		59,268	28%	72%		34,580	43%	57%	644,610	50%	50%			
1993	1828	10%	90%		998,751	53%	47%		19,271	40%	60%		3,465,473	6%	94%		53,636	27%	73%	4,538,959	17%	83%			
1994	1946	8%	92%		931,328	54%	46%		32,312	44%	56%		1,120,832	9%	91%		112,191	18%	82%	2,198,609	29%	71%			
1995	848	15%	85%		1,674,169	47%	53%		19,000	47%	53%		7,065,939	6%	94%		105,224	17%	83%	8,865,180	14%	86%			
1996	569	18%	82%		1,458,215	54%	46%		35,529	47%	53%		553,424	39%	61%		65,250	29%	71%	2,112,987	49%	51%			
1997	291	31%	69%		685,635	59%	41%		33,549	41%	59%		955,253	15%	85%		85,710	34%	66%	1,760,438	33%	67%			
1998	1487	6%	94%		1,003,245	57%	43%		32,185	47%	53%		1,704,581	26%	74%		40,554	40%	60%	2,782,052	37%	63%			
1999	271	12%	88%		631,356	69%	31%		13,126	74%	26%		1,353,858	12%	88%		78,950	16%	84%	2,077,561	30%	70%			

Appendix D.4. Sockeye salmon harvest and number of permits operating in the Alitak Bay District, by gear type and location of harvest, in the Kodiak Management Area, 1982-1999.

Year	Gillnet									Seine			All Gear District Harvest	
	Moser Bay			Olga Bay			Total District			Total District				
	Permits	Harvest	%	Permits	Harvest	%	Permits	Harvest	%	Permits	Harvest	%		
1982	56	246,998	52	44	162,696	34	66	409,694	86	109	67,168	14	476,862	
1983	61	183,417	40	36	85,894	19	68	269,311	59	158	190,776	41	460,087	
1984	62	176,297	46	40	79,917	21	70	256,214	67	75	126,515	33	382,729	
1985	70	301,634	43	45	138,677	20	75	440,311	63	125	262,924	37	703,235	
1986	67	338,492	27	65	386,491	31	79	724,983	58	146	522,383	42	1,247,366	
1987	60	188,343	37	61	133,861	26	73	322,204	63	153	193,206	37	515,410	
1988	65	401,887	36	59	251,431	22	81	653,318	58	123	470,529	42	1,123,847	
1989 ^a	45	133,983	10	80	1,150,084	90	87	1,284,067	100	1	100	0	1,284,167	
1990	73	507,372	35	63	237,271	17	91	744,643	52	158	690,818	48	1,435,461	
1991	65	626,061	30	67	571,713	28	86	1,197,774	58	187	864,944	42	2,062,718	
1992	65	197,733	38	44	78,726	15	79	276,459	53	141	248,699	47	525,158	
1993 ^b	64	384,487	38	35	140,168	14	76	524,655	53	116	474,096	47	998,751	
1994	61	364,925	39	43	135,941	15	74	500,866	54	111	430,462	46	931,328	
1995 ^b	61	622,810	37	30	160,188	10	75	782,998	47	149	890,194	53	1,673,192	
1996 ^b	71	677,399	46	23	104,805	7	80	782,204	54	138	676,011	46	1,458,215	
1997	70	318,855	47	47	84,733	12	78	403,588	59	92	282,047	41	685,635	
1998 ^b	61	448,625	45	30	118,947	12	77	567,572	57	71	435,018	43	1,002,590	
1999 ^b	72	318,283	50	42	119,977	19	76	438,260	69	50	193,096	31	631,356	
AVERAGES^a														
1982-99 ^a	65	370,801	39	46	175,967	18	77	546,768	57	124	412,876	43	959,644	
1983-87	64	237,637	36	49	164,968	25	73	402,605	61	131	259,161	39	661,765	
1988-93 ^a	63	370,002	30	59	402,269	32	83	772,271	62	125	467,367	38	1,239,638	
1994-99	66	458,483	43	36	120,765	11	77	579,248	54	102	484,471	46	1,063,719	

^a Harvest patterns were unusual due to the effect of the Exxon Valdez oil spill. The harvest in 1989 was not used to calculate averages.

^b There were NO commercial mop up fisheries in the normally closed water areas of Olga Bay during this year.

Appendix D.5. Purse seine daily salmon harvest, by species, for the Alitak Bay District, 1999.

Stat. Area	Date			Chinook		Sockeye		Coho		Pink		Chum		Total		
		Permits	Lndgs	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
74	25710	10-Jun	*	*	2	37	70	392	0	0	0	0	5	66	77	495
		25-Jun	*	*	2	27	338	1694	0	0	0	0	10	98	350	1819
		27-Jun	15	15	21	438	8729	43672	0	0	0	0	629	5734	9379	49844
		28-Jun	*	*	2	49	320	1605	0	0	0	0	31	282	353	1936
		22-Jul	11	11	4	83	2214	11177	21	135	4889	14677	23350	210169	30478	236241
		23-Jul	6	6	6	132	816	4094	4	29	2954	8884	286	2591	4066	15730
		27-Jul	6	6	1	26	1870	9365	16	104	5398	16196	1444	13015	8729	38706
		28-Jul	*	*	0	0	466	2333	8	55	1366	4098	90	811	1930	7297
		29-Jul	5	5	11	225	1719	9368	40	268	8714	27440	371	3367	10855	40668
		30-Jul	4	4	12	276	1424	7128	16	119	7108	24008	3076	27705	11636	59236
		31-Jul	9	9	4	98	2371	12788	2	10	10271	33493	882	7994	13530	54383
		3-Aug	4	4	0	0	722	3883	4	21	2435	9084	66	600	3227	13588
		4-Aug	6	6	1	21	2283	12058	55	389	14715	45895	362	3274	17416	61637
		5-Aug	*	*	0	0	499	2498	2	6	3107	9323	50	458	3658	12285
		11-Aug	*	*	1	23	1716	10297	15	135	10722	40742	115	1100	12569	52297
		12-Aug	*	*	0	0	1479	8872	1	7	9730	36698	54	552	11264	46129
		Total	31	76	67	1435	27036	141224	184	1278	81409	270538	30821	277816	139517	692291
		Avg.Wt.				21.4		5.2		7.0		3.3		9.0		
75	25720	9-Jun	*	*	0	0	120	609	0	0	0	0	0	0	120	609
		10-Jun	19	19	11	198	7514	37698	0	0	0	0	8	87	7533	37983
		20-Jun	14	14	27	447	7585	38503	0	0	2	4	284	2230	7898	41184
		21-Jun	*	*	1	21	851	4320	0	0	0	0	60	481	912	4822
		25-Jun	18	18	34	627	7640	38224	0	0	0	0	528	4858	8202	43709
		26-Jun	5	5	0	0	944	4729	0	0	0	0	57	517	1001	5246
		27-Jun	*	*	0	0	601	2954	0	0	0	0	84	609	685	3563
		28-Jun	*	*	0	0	163	814	0	0	0	0	24	170	187	984
		22-Jul	*	*	2	50	1195	6221	0	0	1271	3928	1375	10597	3843	20796
		23-Jul	6	6	13	184	946	4869	4	27	3490	10828	670	5189	5123	21097
		27-Jul	*	*	0	0	188	944	0	0	494	1484	32	288	714	2716
		29-Jul	*	*	3	90	433	2168	6	40	1336	4010	176	1236	1954	7544

-Continued-

Appendix D.5. (Page 2 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
	30-Jul	4	4	7	123	1959	10443	29	229	10208	34954	437	3523	12640	49272
	31-Jul	*	*	2	42	899	4715	2	16	3162	11223	75	627	4140	16623
	3-Aug	*	*	1	8	153	865	2	17	722	2603	14	135	892	3628
	4-Aug	6	7	1	24	2678	13792	21	158	11867	38167	140	1250	14707	53391
	5-Aug	12	13	5	145	6784	35075	167	1325	32606	103107	397	3194	39959	142846
	6-Aug	9	9	4	101	2453	13187	48	341	16633	48912	656	5686	19794	68227
	7-Aug	14	15	11	226	2302	13090	72	645	34338	100707	559	4277	37282	118945
	11-Aug	10	10	2	91	3979	21403	29	239	35574	110935	253	2104	39837	134772
	12-Aug	7	8	4	90	5784	29061	71	547	44845	133637	809	6241	51513	169576
	13-Aug	*	*	0	0	520	3035	0	0	2750	10806	36	317	3306	14158
	14-Aug	*	*	0	0	2288	11897	27	242	7791	25873	50	509	10156	38521
	16-Aug	*	*	0	0	698	3494	6	45	1978	5936	14	115	2696	9590
	17-Aug	7	7	2	56	3106	16521	77	574	9579	38991	232	2098	12996	58240
	22-Aug	7	7	0	0	2381	12215	23	195	13956	45009	109	947	16469	58366
	23-Aug	14	14	0	0	2849	14763	257	2063	30316	96279	842	6826	34264	119931
	24-Aug	12	12	0	0	4615	23552	187	1600	28426	92667	450	3581	33678	121400
	25-Aug	*	*	2	19	797	5230	61	358	3983	12737	101	718	4944	19062
	26-Aug	9	9	0	0	1368	6843	41	454	6447	20083	698	5035	8554	32415
	28-Aug	6	6	0	0	1226	6116	223	2016	5767	17305	186	1501	7402	26938
	29-Aug	*	*	0	0	200	1000	0	0	0	0	0	0	200	1000
	30-Aug	5	5	0	0	1350	6761	281	2537	5010	15037	216	1728	6857	26063
	31-Aug	6	6	3	73	1246	6235	281	2529	4761	14290	178	1416	6469	24543
	5-Sep	*	*	0	0	35	169	13	127	0	0	9	65	57	361
	Total	44	218	135	2615	77850	401515	1928	16324	317312	999512	9759	78155	406984	1498121
	Avg.Wt.				19.4		5.2		8.5		3.2		8.0		
25741	5-Sep	*	*	0	0	200	1096	48	300	0	0	0	0	248	1396
	Total	*	*	0	0	200	1096	48	300	0	0	0	0	248	1396
	Avg.Wt.				0.0		5.5		6.3		0.0		0.0		

-Continued-

Appendix D.5. (Page 3 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
76	25-Jun	*	*	0	0	1227	6136	0	0	0	0	257	2313	1484	8449
	26-Jun	*	*	0	0	946	4795	0	0	0	0	5	34	951	4829
	20-Jul	*	*	0	0	264	1585	1	9	1008	3024	41	370	1314	4988
	22-Jul	*	*	0	0	186	931	1	13	1191	3575	23	210	1401	4729
	27-Jul	*	*	0	0	665	3325	0	0	3297	9716	70	623	4032	13664
	29-Jul	*	*	0	0	141	790	0	0	1515	5455	18	153	1674	6398
	30-Jul	*	*	0	0	45	175	0	0	150	645	4	42	199	862
	4-Aug	*	*	0	0	10	52	1	5	1482	4737	24	214	1517	5008
	12-Aug	*	*	0	0	313	1569	4	32	3297	9892	71	573	3685	12066
	13-Aug	*	*	0	0	2835	15635	2	13	6924	17324	598	3599	10359	36571
	14-Aug	5	5	0	0	1891	10435	2	15	15220	38071	975	5874	18088	54395
	15-Aug	4	4	0	0	520	2603	6	42	9210	27625	309	2489	10045	32759
	17-Aug	*	*	0	0	107	558	9	69	5721	22481	121	1166	5958	24274
	18-Aug	*	*	0	0	23	139	4	36	2424	9516	34	309	2485	10000
	19-Aug	15	15	0	0	2752	14204	41	299	43989	126343	557	3789	47339	144635
	20-Aug	14	14	1	16	1577	8105	53	373	41508	123657	730	5506	43869	137657
	21-Aug	8	8	0	0	216	1182	6	48	25482	77656	138	1029	25842	79915
	22-Aug	4	4	0	0	608	3045	20	155	23889	57213	78	627	24595	61040
	23-Aug	4	4	0	0	41	214	41	285	14612	43837	68	506	14762	44842
	24-Aug	*	*	0	0	119	594	3	27	9694	29083	35	296	9851	30000
	25-Aug	*	*	0	0	155	778	10	56	6469	19411	336	2689	6970	22934
	26-Aug	4	4	0	0	470	2363	10	83	6883	20663	898	7179	8261	30288
	27-Aug	8	8	0	0	307	1528	31	350	19936	59815	1016	8247	21290	69940
	28-Aug	10	10	0	0	1163	4642	31	266	12412	35825	376	3048	13982	43781
	30-Aug	*	*	0	0	1	6	2	18	656	1970	1000	8006	1659	10000
	2-Sep	*	*	0	0	1000	5269	185	1488	480	1755	15	128	1680	8640
	Total	23	104	1	16	17582	90658	463	3682	257449	749289	7797	59019	283292	902664
	Avg.Wt.				16.0		5.2		8.0		2.9		7.6		
25760	20-Jul	6	6	0	0	1684	9041	1	4	2850	8398	98	900	4633	18343
	21-Jul	*	*	1	31	124	620	0	0	190	572	7	53	322	1276

-Continued-

Appendix D.5. (Page 4 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
	22-Jul *	*		2	72	832	4162	1	5	677	1943	35	321	1547	6503
	27-Jul	5	5	3	95	2128	10642	12	64	5143	15435	184	1657	7470	27893
	29-Jul	*	*	0	0	130	731	0	0	2186	7873	175	1581	2491	10185
	11-Aug	*	*	1	32	33	166	0	0	5046	15139	3491	27935	8571	43272
	12-Aug	*	*	1	34	946	4734	5	41	10318	30957	1664	13319	12934	49085
	13-Aug	*	*	0	0	1184	5925	0	0	14912	44739	589	4717	16685	55381
	14-Aug	*	*	0	0	1947	9967	11	81	17037	54350	250	2466	19245	66864
	15-Aug	5	6	1	18	842	4313	25	214	12279	39141	112	1125	13259	44811
	16-Aug	*	*	0	0	211	1574	0	0	3018	10278	8	59	3237	11911
	17-Aug	*	*	0	0	755	4514	21	145	15321	47928	106	765	16203	53352
	18-Aug	*	*	0	0	162	813	0	0	6356	19070	7	65	6525	19948
	19-Aug	*	*	0	0	10	53	0	0	2080	8494	154	1453	2244	10000
	20-Aug	*	*	0	0	303	1520	6	39	4486	13461	877	7035	5672	22055
	21-Aug	4	4	0	0	462	2317	14	109	12377	37134	53	440	12906	40000
	23-Aug	*	*	0	0	490	2453	8	63	3016	9051	164	1318	3678	12885
	24-Aug	*	*	0	0	66	328	8	72	5665	16996	319	2604	6058	20000
	25-Aug	*	*	0	0	14	74	2	17	1050	4379	828	5530	1894	10000
	26-Aug	*	*	0	0	89	444	0	0	2071	6214	417	3342	2577	10000
	27-Aug	*	*	0	0	13	66	5	31	2811	8433	133	1061	2962	9591
	1-Sep	*	*	0	0	15	79	2	21	2021	8160	466	4372	2504	12632
	2-Sep	*	*	0	0	16	79	4	32	2570	10498	1054	9919	3644	20528
	Total	17	55	9	282	12456	64615	125	938	133480	418643	11191	92037	157261	576515
	Avg.Wt.				31.3		5.2		7.5		3.1		8.2		
25770	20-Jun	*	*	0	0	702	3588	0	0	0	0	21	216	723	3804
	25-Jun	*	*	0	0	515	2579	0	0	0	0	8	79	523	2658
	26-Jun	*	*	4	91	196	982	0	0	0	0	26	220	226	1293
	27-Jun	*	*	0	0	1002	5014	0	0	0	0	43	392	1045	5406
	19-Jul	*	*	0	0	520	2603	1	4	448	897	25	231	994	3735
	20-Jul	10	10	2	35	4025	22010	3	7	4889	14606	224	2062	9143	38720
	21-Jul	*	*	0	0	470	2825	0-	0	1127	3381	66	594	1663	6800

-Continued-

Appendix D.5. (Page 5 of 5)

78

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
78	22-Jul	5	5	6	146	3128	15652	51	383	4353	13061	419	3777	7957	33019
	23-Jul	*	*	1	13	688	3522	19	115	956	2871	214	1916	1878	8437
	27-Jul	5	5	1	10	2793	13968	38	263	5966	17902	619	5577	9417	37720
	29-Jul	8	8	2	37	2146	11122	40	296	9093	34164	516	4676	11797	50295
	4-Aug	*	*	0	0	72	361	3	14	7566	26608	26	230	7667	27213
	5-Aug	*	*	1	33	14	68	2	17	9120	30390	33	310	9170	30818
	7-Aug	9	9	2	36	218	1162	14	106	45723	140333	125	1006	46082	142643
	11-Aug	*	*	0	0	99	617	2	10	4867	17705	204	1815	5172	20147
	12-Aug	*	*	1	30	1812	10391	8	70	12736	43874	234	2103	14791	56468
	13-Aug	9	9	0	0	5431	27391	16	114	42588	144555	446	3616	48481	175676
	14-Aug	8	8	1	16	6170	31498	25	229	32490	101010	160	1473	38846	134226
	15-Aug	10	10	0	0	3889	19505	16	174	25317	76434	407	3347	29629	99460
	16-Aug	18	18	1	16	6564	36363	53	467	44955	140711	434	3473	52007	181030
	17-Aug	9	9	0	0	2669	16968	35	285	17119	58489	116	908	19939	76650
	18-Aug	15	16	1	18	4194	22165	67	577	33138	98455	240	1980	37640	123195
	19-Aug	*	*	0	0	152	853	17	108	5527	16585	261	2081	5957	19627
	20-Aug	*	*	0	0	352	1890	4	32	8706	26687	29	220	9091	28829
	21-Aug	6	6	0	0	332	1670	4	35	15172	57960	41	335	15549	60000
	22-Aug	10	11	3	104	3535	17689	54	483	26027	79565	215	1750	29834	99591
	23-Aug	*	*	0	0	48	238	7	62	265	796	5	39	325	1135
	24-Aug	*	*	0	0	9	46	2	14	3275	9826	14	114	3300	10000
	25-Aug	11	11	0	0	3702	17792	61	522	25808	79695	357	2784	29928	100793
	26-Aug	*	*	0	0	169	855	11	80	3410	10249	739	5916	4329	17100
	27-Aug	4	4	1	29	1818	9093	35	329	6152	18472	80	638	8086	28561
	28-Aug	*	*	0	0	64	328	2	16	813	2439	97	776	976	3559
	2-Sep	*	*	0	0	325	1763	47	378	151	589	11	93	534	2823
	4-Sep	*	*	0	0	149	746	54	432	0	0	17	134	220	1312
	Total	34	169	27	614	57972	303317	691	5622	397757	1268309	6472	54881	462919	1632743
	Avg.Wt.				22.7		5.2		8.1		3.2		8.5		
	Grand Total	50	618	239	4962	193096	1002425	3439	28144	1187407	3706291	66040	561908	1450221	5303730
	Avg.wt,				20.8		5.2		8.2		3.1		8.5		

Appendix D.6. Gillnet daily salmon harvest, by species, for the Alitak Bay District, 1999.

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
79	25740	9-Jun	*	*	0	0	1119	6157	0	0	0	0	0	0	1119	6157
		10-Jun	10	18	0	0	3936	20571	0	0	0	0	0	0	3936	20571
		20-Jun	11	13	1	15	17198	88382	0	0	0	0	28	268	17227	88665
		21-Jun	13	22	1	5	19382	97761	0	0	0	0	9	73	19392	97839
		25-Jun	11	13	0	0	7056	35805	0	0	0	0	33	298	7089	36103
		26-Jun	13	17	0	0	7026	35316	0	0	0	0	27	240	7053	35556
		27-Jun	14	16	1	20	8967	45842	0	0	0	0	58	431	9026	46293
		28-Jun	11	12	0	0	2821	14068	0	0	0	0	15	131	2836	14199
		22-Jul	13	13	0	0	3504	18201	0	0	1454	4969	112	1008	5070	24178
		23-Jul	12	14	0	0	1914	9797	0	0	1259	4365	169	1428	3342	15590
		27-Jul	18	20	0	0	5356	29231	2	12	1910	6391	84	751	7352	36385
		28-Jul	20	25	0	0	4621	24782	6	45	1910	6424	162	1469	6699	32720
		29-Jul	11	11	0	0	358	2002	1	9	695	2346	78	702	1132	5059
		30-Jul	14	17	0	0	320	1603	3	27	684	2310	85	848	1092	4788
		31-Jul	10	12	0	0	238	1238	3	23	857	2853	68	619	1166	4733
		3-Aug	11	12	0	0	3488	19392	6	52	2048	7282	46	454	5588	27180
		4-Aug	12	12	0	0	878	4687	4	30	1425	4805	79	791	2386	10313
		5-Aug	10	17	0	0	519	2667	6	37	830	2848	64	648	1419	6200
		6-Aug	12	13	0	0	743	3969	4	33	1065	3585	80	711	1892	8298
		7-Aug	13	15	0	0	509	2696	16	137	759	2562	56	533	1340	5928
		11-Aug	11	12	0	0	4621	25730	20	142	2155	7539	148	1376	6944	34787
		12-Aug	12	15	0	0	3694	20051	26	210	2615	9334	185	1673	6520	31268
		13-Aug	14	18	0	0	1245	6582	12	97	1035	3493	122	996	2414	11168
		14-Aug	12	12	0	0	1094	6066	16	114	925	3617	92	830	2127	10627
		15-Aug	11	12	0	0	1125	6041	11	80	969	3654	113	996	2218	10771
		16-Aug	8	14	0	0	982	5186	10	63	389	1386	33	335	1414	6970
		17-Aug	12	14	0	0	916	4818	33	259	762	2610	30	248	1741	7935
		22-Aug	11	11	0	0	3116	17361	76	597	2733	9502	209	1858	6134	29318
		23-Aug	18	21	0	0	3000	15376	293	2423	3509	11830	405	3606	7207	33235
		24-Aug	10	10	0	0	509	2667	87	716	943	3186	151	1304	1690	7873
		25-Aug	9	9	0	0	303	1604	108	996	584	2057	110	1012	1105	5669

-Continued-

Appendix D.6. (Page 2 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
80	26-Aug	18	27	0	0	2072	10345	176	1661	1332	4410	177	1513	3757	17929
	27-Aug	14	14	0	0	1399	7309	46	388	871	2680	43	408	2359	10785
	28-Aug	10	10	0	0	528	2796	83	626	385	1365	73	674	1069	5461
	29-Aug	9	12	0	0	595	3092	93	728	358	1311	158	1386	1204	6517
	30-Aug	5	6	0	0	352	1754	99	841	400	1258	61	523	912	4376
	31-Aug	7	7	0	0	289	1368	92	753	277	889	54	486	712	3496
	3-Sep	7	7	0	0	568	3060	101	849	49	181	61	571	779	4661
	4-Sep	8	9	0	0	1150	6252	232	1910	333	1083	124	1152	1839	10397
	5-Sep	11	11	0	0	1010	5149	288	2579	86	288	308	2991	1692	11007
	6-Sep	8	8	0	0	361	1857	75	737	105	335	50	490	591	3419
	7-Sep	9	9	0	0	490	2649	96	911	21	69	37	349	644	3978
	8-Sep	*	*	0	0	41	218	92	925	0	0	3	15	136	1158
	9-Sep	4	4	0	0	200	1126	56	469	0	0	25	216	281	1811
	10-Sep	*	*	0	0	74	388	19	197	0	0	3	29	96	614
	11-Sep	*	*	0	0	118	688	32	264	0	0	0	0	150	952
	12-Sep	*	*	0	0	19	99	10	102	0	0	5	40	34	241
	16-Sep	*	*	0	0	153	770	53	477	0	0	8	50	214	1297
	Total	42	577	3	40	119977	624569	2386	20519	35732	122817	4041	36530	162139	804475
	Avg.Wt.					13.3			5.2			8.6		3.4	
25741	9-Jun	29	30	0	0	15393	81875	0	0	0	0	7	47	15400	81922
	10-Jun	34	49	3	32	22914	119188	0	0	0	0	8	63	22925	119283
	20-Jun	25	26	0	0	6755	36974	0	0	0	0	29	255	6784	37229
	21-Jun	33	47	1	8	15471	78190	1	8	0	0	134	911	15607	79117
	22-Jun	*	*	0	0	170	930	0	0	0	0	0	0	170	930
	25-Jun	24	25	3	54	5182	27181	0	0	1	4	75	642	5261	27881
	26-Jun	32	42	1	11	5888	31287	0	0	0	0	108	865	5997	32163
	27-Jun	33	44	2	19	8902	44955	0	0	1	10	150	1318	9055	46302
	28-Jun	38	51	0	0	6640	33267	0	0	1	3	115	978	6756	34248
	22-Jul	21	24	0	0	3217	17034	3	18	1620	5586	129	1036	4969	23674
	23-Jul	29	42	0	0	4178	22718	11	77	2331	8387	162	1327	6682	32509

-Continued-

Appendix D.6. (Page 3 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
181	27-Jul	16	18	0	0	3181	17345	3	20	1342	5057	87	775	4613	23197
	28-Jul	23	32	0	0	6045	31928	8	56	2929	10758	121	968	9103	43710
	29-Jul	28	31	2	15	2743	14523	12	87	2068	7579	133	1177	4958	23381
	30-Jul	26	34	1	6	3066	16757	21	157	1963	7033	134	1096	5185	25049
	31-Jul	33	47	1	24	5125	28055	36	272	4009	14191	203	1689	9374	44231
	3-Aug	13	15	0	0	1855	10199	9	63	1268	4706	78	662	3210	15630
	4-Aug	27	33	0	0	8212	44939	70	551	5009	18056	394	2663	13685	66209
	5-Aug	34	44	0	0	6798	35864	66	466	4279	16153	312	2634	11455	55117
	6-Aug	26	37	0	0	3579	19196	27	222	2371	8145	144	1164	6121	28727
	7-Aug	32	45	1	8	5972	31939	39	335	5114	17488	282	2360	11408	52130
	11-Aug	23	26	3	44	6756	37736	29	232	3827	14001	167	1454	10782	53467
	12-Aug	29	47	2	22	15218	80634	73	553	6852	25372	255	2084	22400	108665
	13-Aug	30	46	1	7	12954	68663	79	574	7677	24111	378	2710	21089	96065
	14-Aug	34	55	2	11	19793	105258	84	646	10372	36117	555	4321	30806	146353
	15-Aug	34	43	1	10	12936	68726	80	571	5546	20035	240	2101	18803	91443
	16-Aug	33	53	2	26	16396	89889	121	931	8368	26877	445	3407	25332	121130
	17-Aug	32	51	1	20	13128	69917	124	973	7638	24731	208	1658	21099	97299
	22-Aug	22	25	1	20	6453	34205	187	1497	6080	20710	322	2668	13043	59100
	23-Aug	26	37	0	0	6241	32871	261	2159	6260	21669	282	2349	13044	59048
	24-Aug	27	34	1	18	5016	25756	277	2256	5643	18660	217	1836	11154	48526
	25-Aug	31	42	0	0	5014	25847	288	2419	5813	20083	236	1891	11351	50240
	26-Aug	22	27	0	0	4555	23690	215	1700	2785	9337	147	1244	7702	35971
	27-Aug	26	34	0	0	6745	34752	215	1580	4647	15962	239	1916	11846	54210
	28-Aug	31	51	0	0	9023	47003	398	3329	4526	14766	299	2377	14246	67475
	29-Aug	23	40	0	0	5739	30081	324	2674	4226	14138	363	2756	10652	49649
	30-Aug	24	36	0	0	4050	21128	491	4348	3441	10890	190	1576	8172	37942
	31-Aug	21	24	0	0	2696	13505	364	3373	917	2954	91	759	4068	20591
	3-Sep	17	19	0	0	2659	14024	380	3269	720	2286	189	1497	3948	21076
	4-Sep	23	29	0	0	2668	14197	318	2722	375	1218	218	1374	3579	19511
	5-Sep	21	26	0	0	3434	17504	440	3869	318	1052	211	1775	4403	24200
	6-Sep	18	23	0	0	2230	11820	284-	2406	340	1113	139	1094	2993	16433

-Continued-

Appendix D.6. (Page 4 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
	7-Sep	18	27	0	0	2690	13782	290	2563	37	120	143	1275	3160	17740
	8-Sep	21	26	0	0	2176	11478	274	2201	0	0	109	941	2559	14620
	9-Sep	14	18	0	0	1564	8110	243	2205	5	35	92	813	1904	11163
	10-Sep	17	17	0	0	1384	7363	231	2136	0	0	92	792	1707	10291
	11-Sep	13	15	0	0	1441	7469	208	2124	0	0	56	433	1705	10026
	12-Sep	15	15	0	0	940	4994	253	2445	0	0	43	373	1236	7812
	13-Sep	14	17	0	0	1000	5166	182	1939	0	0	86	754	1268	7859
	14-Sep	*	*	0	0	0	0	10	101	0	0	8	81	18	182
	15-Sep	7	7	0	0	1500	7623	206	2132	0	0	31	278	1737	10033
	16-Sep	6	8	0	0	598	3030	66	665	0	0	13	92	677	3787
	Total	72	1636	29	355	318283	1680565	7301	62924	130719	449393	8869	71309	465201	2264546
	Avg.Wt.				12.2		5.3		8.6		3.4		8.0		
	Grand Total	76	2213	32	395	438260	2305134	9687	83443	166451	572210	12910	107839	627340	3069021
	Avg.Wt.				12.3		5.3		8.6		3.4		8.4		

TEST FISH

25741	3-Jun	*	*	0	0	36	184	0	0	0	0	0	0	36	184
	4-Jun	*	*	0	0	114	599	0	0	0	0	0	0	114	599
	6-Jun	*	*	0	0	29	152	0	0	0	0	0	0	29	152
	8-Jun	*	*	0	0	11	55	0	0	0	0	0	0	11	55
	11-Jun	*	*	0	0	15	75	0	0	0	0	0	0	15	75
	13-Jun	*	*	0	0	113	576	0	0	0	0	0	0	113	576
	14-Jun	*	*	0	0	43	226	0	0	0	0	0	0	43	226
	16-Jun	*	*	0	0	35	190	0	0	0	0	0	0	35	190
	17-Jun	*	*	0	0	31	162	0	0	0	0	0	0	31	162
	19-Jun	*	*	0	0	118	660	0	0	0	0	0	0	118	660
	22-Jun	*	*	0	0	50	256	0	0	0	0	0	0	50	256
	23-Jun	*	*	0	0	59	307	0	0	0	0	0	0	59	307
	24-Jun	*	*	0	0	36	200	0	0	0	0	1	6	37	206
	29-Jun	*	*	0	0	19	98	0	0	0	0	0	0	19	98

-Continued-

Appendix D.6. (Page 5 of 5)

Stat. Area	Date	Permits	Lndgs	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
8	30-Jun	*	*	0	0	69	350	0	0	0	0	0	0	69	350
	1-Jul	*	*	0	0	24	133	0	0	0	0	1	10	25	143
	2-Jul	*	*	0	0	26	134	0	0	0	0	0	0	26	134
	3-Jul	*	*	0	0	75	370	0	0	0	0	1	5	76	375
	5-Jul	*	*	0	0	94	470	0	0	0	0	1	6	95	476
	6-Jul	*	*	0	0	78	397	0	0	0	0	1	7	79	404
	8-Jul	*	*	0	0	63	321	0	0	0	0	0	0	63	321
	9-Jul	*	*	0	0	127	670	0	0	0	0	5	48	132	718
	11-Jul	*	*	0	0	146	758	0	0	2	9	2	18	150	785
	12-Jul	*	*	0	0	76	411	0	0	2	7	1	6	79	424
	14-Jul	*	*	0	0	151	802	0	0	4	18	4	34	159	854
	15-Jul	*	*	0	0	54	305	0	0	2	6	4	35	60	346
	16-Jul	*	*	0	0	54	301	0	0	2	6	1	7	57	314
	17-Jul	*	*	0	0	91	497	0	0	4	18	7	59	102	574
	19-Jul	*	*	0	0	66	308	0	0	1	3	5	37	72	348
	21-Jul	*	*	0	0	155	848	0	0	12	45	10	78	177	971
	24-Jul	*	*	0	0	9	48	0	0	0	0	0	0	9	48
	25-Jul	*	*	0	0	84	475	0	0	11	40	2	17	97	532
	26-Jul	*	*	0	0	72	394	0	0	35	143	4	31	111	568
	Total	*	34	0	0	2223	11732	0	0	75	295	50	404	2348	12431
	Avg.Wt.				0.0		5.3		0.0		3.9		8.1		
	Grand Total	*	34	0	0	2223	11732	0	0	75	295	50	404	2348	12431
	Avg.Wt.				0.0		5.3		0.0		3.9		8.1		

INTRODUCTION

Commercial salmon fisheries along Kodiak Island's westside are the oldest in Alaska (Roppel 1986). Sockeye salmon returning to the Karluk River drew processors and fishers to Kodiak soon after the Alaska territory was transferred from the Russians in 1867. The Karluk system is said to have produced more sockeye salmon for its size than any other system in the world (Roppel 1986). In 1889 the catch at the mouth of this river totaled 3.5 million sockeye salmon. In 1896 the first catches from other westside Kodiak streams were documented, with sockeye salmon being landed from the Uganik, Little, and Ayakulik Rivers.

With increased fishing pressure, sockeye salmon stocks declined. Fisheries spread along the westside of Kodiak to target migrating mixed sockeye, pink, chum, and coho salmon stocks. Fish traps were used heavily and accounted for the majority of the harvest. There was much controversy concerning the use of cannery owned fish traps, due to allocative concerns of independent fishermen and biological concerns of management biologists. Traps were outlawed by the State of Alaska in 1959, and seine and gillnet gear competed for the available salmon resources (Roppel 1986). Gear specific fishing areas, closed water sanctuaries, and complex, stock specific harvest strategies developed to ease allocative conflicts and to aid in rebuilding depressed sockeye salmon stocks.

Management of westside Kodiak fisheries is very complex due to the mixing of various local salmon stocks during inshore migration. Many tagging studies were done along Kodiak Island's westside to help discern migratory pathways and timing of the westside salmon stocks, as well as salmon moving to the Alitak Bay District. Both set gillnet and seine gear are legal in part of the westside (the Central Section), and occasional allocative disputes arose. Harvest strategies evolved until 1990, when a specific management plan governing fisheries along the westside of Kodiak and southwest Afognak was adopted into regulation by the Board of Fisheries. It was hoped that placing a management plan in regulation would clarify the management strategy in place to maintain the biological integrity of local salmon stocks and the allocative concerns of local fishers.

Westside Kodiak Management Plan (5 AAC 18.362)

The intent of the Westside Kodiak Management Plan (5 AAC 18.362) is to harvest salmon bound to local systems in "traditional" fisheries located in the westside sections. The Westside Kodiak Management Plan (WKMP) is effective for the entire salmon season, and covers the Southwest Kodiak and Northwest Kodiak Districts, and the Southwest Afognak Section of the Afognak District. This management plan guides early and late run sockeye fisheries, including the major systems of Ayakulik and Karluk, and the minor systems of Little River, Uganik, and Malina.

-Continued-

This plan states that the westside management units will be managed in June as mixed stock sockeye salmon fisheries on sockeye salmon bound for Alitak, Ayakulik, Karluk, and local minor systems. The WKMP also guides local pink, chum, and coho salmon fisheries of the Southwest Afognak Section and the Northwest and Southwest Kodiak Districts. These fisheries take place from early July through early October.

1999 Westside Kodiak Fisheries

As scheduled, in the 1999 Kodiak Area Commercial Salmon Fishery Harvest Strategy (Prokopowich 1999), the first commercial salmon fishing period began at 12:00 NOON June 9. Commercial salmon fisheries occurred in westside Kodiak management units throughout the season, based on return strength of sockeye, pink, chum, and coho salmon stocks. The last westside salmon delivery occurred on September 21. The total commercial harvest from westside Kodiak management units (Southwest Afognak to Ayakulik¹) was 7,234,082 salmon, including 12,795 chinook salmon, 2,734,413 sockeye salmon, 104,836 coho salmon, 4,114,567 pink salmon, and 267,471 chum salmon from 8,498 landings (Appendix E.2. and E.3.), which represents 40.7 percent of the total KMA salmon harvest. Purse seine fishers made 4,133 landings for 11,225 chinook salmon (88%), 1,656,499 sockeye salmon (61%), 58,767 coho salmon (55.5%), 3,163,892 pink salmon (77%), and 168,589 chum salmon (63%). Beach seine fishers made 19 landings for 639 sockeye (<1%), 1,072 pink salmon (<1%), and 53 chum salmon (<1%). Set gillnet fishers made 4,346 landings for 1,570 chinook salmon (12%), 1,077,275 sockeye salmon (39%), 46,069 coho salmon (44%), 949,603 pink salmon (23%), and 98,829 chum salmon (37%). Commercial salmon harvests, by gear type, for westside management units can be found in Appendix E.4. to E.6.

¹ Westside Kodiak salmon harvest totals do not include salmon taken in the Spiridon Lake Terminal Harvest Area. Sockeye salmon from an enhancement project return to this area. It is covered under a separate management plan; see Appendix H for a description of the Spiridon Lake Terminal Harvest Area fishery.

Appendix E.2. Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1970 - 1999.

Year	Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1970	702	230,424	36,038	3,485,342	135,658	3,888,164
1971	96	66,199	5,596	752,869	128,747	953,507
1972	867	121,203	4,990	608,989	193,569	929,618
1973	145	76,010	1,403	288,568	49,931	416,057
1974	227	181,075	4,919	930,645	34,214	1,151,080
1975	50	75,983	14,439	1,441,658	36,358	1,568,488
1976	253	350,403	10,412	4,786,866	91,524	5,239,458
1977	454	363,690	12,619	2,107,769	115,435	2,599,967
1978	1,352	491,503	20,216	6,245,588	134,794	6,893,453
1979	611	185,363	47,043	3,860,734	59,469	4,153,220
1980	385	411,862	44,639	11,344,424	132,910	11,934,220
1981	899	415,018	36,650	3,183,618	246,825	3,883,010
1982	858	427,454	128,718	5,538,196	450,819	6,546,045
1983	2,344	297,045	49,393	1,728,428	374,187	2,451,397
1984	3,634	925,236	104,347	9,291,637	166,069	10,490,923
1985	4,304	920,015	97,474	1,979,788	226,726	3,228,307
1986	3,728	1,632,227	102,304	9,472,330	584,538	11,795,127
1987	2,268	754,943	855,055	1,643,187	261,601	3,517,054
1988	11,848	998,895	141,115	8,574,478	609,946	10,336,282
1989 ^b	0	3,489	986	1,005	53	5,533
1990	12,090	3,383,351	176,475	3,674,278	218,883	7,465,077
1991	11,780	2,842,802	179,852	5,588,982	346,193	8,969,609
1992	17,238	2,306,791	128,737	1,538,305	302,779	4,293,850
1993	22,189	2,425,370	124,497	10,344,080	300,571	13,216,707
1994	16,930	1,365,227	137,963	3,903,911	329,578	5,753,609
1995	13,819	2,081,175	147,403	21,070,138	722,823	24,035,358
1996	10,472	2,685,573	73,610	1,823,460	367,700	4,960,815
1997	11,152	1,412,061	108,459	6,520,085	214,730	8,266,487
1998	11,550	2,274,571	154,945	12,065,707	173,493	14,680,266
1999	12,795	2,734,413	104,836	4,114,567	267,471	7,234,082
Average ^c						
1970-1999	6,036	1,118,479	105,315	5,100,297	250,950	6,581,077
Average ^c						
1986-1999	12,143	2,069,031	187,327	6,948,731	361,562	9,578,794

^a Westside Kodiak Management Plan units include the Southwest Afognak Section, the North-west Kodiak District except for the Spiridon Lake Terminal Harvest Area, and the Southwest Kodiak District.

^b Commercial salmon fisheries were severely restricted in 1989 due to the presence of oil from the *M/V Exxon Valdez* spill.

^c Averages do not include 1989.

Appendix E.3. Commercial salmon harvest, by gear type and species, for Westside Kodiak Management Plan units, 1999.

GEAR TYPE	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total ^a	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
PURSE SEINE	206	3,606	6,141	101,066	882,765	4,958,372	55,438	441,886	4,013,817	13,158,385	237,852	1,965,073	5,196,013	20,624,782
Average Weight -				16.5		5.6		8.0		3.3		8.3		
BEACH SEINE	2	11	0	0	209	1190	44	379	1328	4720	8	67	1589	6356
Average Weight -				0		5.69		8.61		3.55		8.38		
SET GILLNET	98	4,103	1,132	16,837	712,911	4,096,251	42,579	342,349	1,079,097	4,039,847	133,677	1,106,344	1,969,396	9,601,628
Average Weight -				14.87		5.75		8.04		3.74		8.28		
GRAND TOTAL	306	7,775	7,273	117,903	1,595,885	9,055,813	98,061	784,614	5,094,242	17,202,952	371,537	3,071,484	7,166,998	30,232,766
Average Weight -				16.2		5.7		8.0		3.4		8.3		

^a Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District except for the Spiridon Lake Terminal Harvest Area, and the Southwest Kodiak District.

Appendix E.4. Purse seine daily salmon harvest, by species, for Westside Kodiak Management Plan units, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
SOUTHWEST AFOGNAK SECTION															
14-Jun	6	6	67	461	2,338	10,483	0	0	0	0	43	310	2,448	11,254	
15-Jun	*	*	12	151	1,343	6,715	0	0	0	0	75	530	1,430	7,396	
16-Jun	6	6	117	897	2,546	14,723	0	0	1	4	170	1,338	2,834	16,962	
20-Jun	*	*	1	25	2,146	11,320	0	0	0	0	106	1,026	2,253	12,371	
21-Jun	*	*	260	1,609	2,343	11,236	0	0	9	28	411	2,631	3,023	15,504	
22-Jun	*	*	75	596	625	2,968	0	0	0	0	127	752	827	4,316	
23-Jun	5	5	239	1,820	1,713	8,824	0	0	0	0	514	3,984	2,466	14,628	
24-Jun	5	5	277	2,003	1,949	10,473	0	0	29	76	796	6,357	3,051	18,909	
25-Jun	4	4	69	496	1,579	7,665	0	0	5	10	588	4,359	2,241	12,530	
88	26-Jun	4	4	183	1,662	2,594	12,991	0	0	40	119	615	5,187	3,432	19,959
	27-Jun	*	*	10	123	371	1,484	0	0	0	0	111	667	492	2,274
	29-Jun	5	5	385	3,776	1,073	6,215	0	0	13	40	356	2,894	1,827	12,925
	30-Jun	6	6	319	2,952	494	2,531	0	0	39	121	161	1,167	1,013	6,771
	1-Jul	6	6	401	4,187	1,403	7,426	0	0	28	82	685	6,564	2,517	18,259
	2-Jul	6	6	269	3,084	2,847	14,329	4	23	305	929	1,157	9,160	4,582	27,525
	3-Jul	5	5	179	1,214	4,204	23,382	2	12	450	1,356	1,276	10,171	6,111	36,135
	4-Jul	8	8	174	1,398	4,888	23,987	3	17	879	2,776	1,165	9,050	7,109	37,228
	5-Jul	14	14	266	2,307	3,630	18,029	4	33	1,149	3,334	987	8,372	6,036	32,075
	6-Jul	*	*	4	31	138	746	0	0	35	105	21	208	198	1,090
7-Jul	*	*	2	12	153	768	0	0	77	250	50	354	282	1,384	
8-Jul	*	*	14	141	164	659	0	0	35	104	15	89	228	993	
9-Jul	*	*	13	92	135	656	0	0	145	531	92	697	385	1,976	
14-Jul	5	5	160	1,378	801	4,394	9	56	1,604	4,815	200	1,705	2,774	12,348	
15-Jul	5	5	61	771	1,066	5,920	0	0	1,523	4,573	275	2,232	2,925	13,496	
16-Jul	18	18	247	2,647	6,168	31,177	74	512	6,427	18,878	1,393	10,250	14,309	63,464	
20-Jul	4	4	19	224	228	1,350	20	106	807	2,429	73	518	1,147	4,627	

-Continued-

Appendix E.4. (Page 2 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
SOUTHWEST AFOGNAK SECTION (Cont.)															
21-Jul	8	8	23	300	1,616	9,789	42	464	4,825	14,023	273	2,972	6,779	27,548	
22-Jul	8	8	62	662	2,432	13,714	107	768	9,582	23,704	782	6,068	12,965	44,916	
23-Jul	16	17	95	960	5,823	26,997	121	825	16,901	52,532	1,546	11,287	24,486	92,601	
27-Jul	4	4	35	355	815	4,801	183	1,535	5,897	16,583	252	2,618	7,182	25,892	
28-Jul	5	5	23	287	2,151	11,156	141	933	13,547	39,627	758	5,770	16,620	57,773	
29-Jul	*	*	7	82	368	1,944	74	484	2,370	6,904	82	646	2,901	10,060	
30-Jul	13	15	91	970	5,178	27,165	817	6,498	23,935	74,360	1,236	11,174	31,257	120,167	
3-Aug	*	*	7	69	234	1,380	51	355	1,432	4,391	60	487	1,784	6,682	
5-Aug	4	4	4	80	395	2,053	102	864	5,286	12,525	122	1,056	5,909	16,578	
68	6-Aug	*	*	4	60	88	459	37	262	801	2,364	21	166	951	3,311
	11-Aug	7	7	4	50	917	4,546	480	3,410	14,005	34,806	372	2,717	15,778	45,529
	12-Aug	4	4	16	189	213	1,073	187	1,389	2,957	6,583	96	728	3,469	9,962
	13-Aug	*	*	2	19	178	1,069	120	843	4,566	13,710	78	543	4,944	16,184
	14-Aug	4	4	39	503	1,866	9,328	554	4,218	35,080	83,390	557	4,455	38,096	101,894
	15-Aug	*	*	0	0	289	1,450	91	763	4,538	10,495	110	778	5,028	13,486
	19-Aug	*	*	0	0	10	63	14	153	5,700	17,145	1	8	5,725	17,369
	20-Aug	*	*	0	0	25	150	5	40	1,488	4,464	0	0	1,518	4,654
	23-Aug	4	4	2	35	72	391	80	635	4,615	11,859	45	362	4,814	13,282
	25-Aug	4	5	5	84	995	5,461	725	4,586	13,955	45,546	73	468	15,753	56,145
	26-Aug	*	*	5	45	227	1,251	337	2,162	3,265	11,433	60	484	3,894	15,375
	1-Sep	*	*	1	15	149	768	122	1,061	474	1,678	14	104	760	3,626
	5-Sep	*	*	0	0	270	1,352	306	2,756	1,287	3,862	20	143	1,883	8,113
	6-Sep	*	*	0	0	269	1,347	260	2,341	1,453	4,361	13	94	1,995	8,143
	11-Sep	*	*	0	0	22	111	29	268	50	150	0	0	101	529

-Continued-

Appendix E.4. (Page 3 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
SOUTHWEST AFOGNAK SECTION (Cont.)														
14-Sep	*	*	0	0	335	1,679	138	1,248	115	345	0	0	588	3,272
Total	58	233	4,248	38,822	71,876	369,948	5,239	39,620	191,724	537,400	18,033	143,700	291,120	1,129,490
Avg.Wt.				9.1		5.2		7.6		2.8		8.0		
NORTHWEST KODIAK DISTRICT														
9-Jun	12	12	6	66	1,214	5,824	0	0	0	0	47	351	1,267	6,241
10-Jun	22	22	12	277	6,745	35,193	0	0	0	0	143	931	6,900	36,401
14-Jun	*	*	1	16	941	5,327	0	0	0	0	365	2,482	1,307	7,825
15-Jun	7	7	62	935	5,293	28,613	0	0	8	24	951	7,318	6,314	36,890
06	17-Jun	12	12	77	1,111	10,311	51,820	0	0	0	1,924	13,795	12,312	66,726
18-Jun	5	5	7	108	1,121	5,410	0	0	0	0	105	792	1,233	6,310
19-Jun	5	5	41	538	3,622	18,198	0	0	0	0	782	5,580	4,445	24,316
20-Jun	5	5	2	42	3,731	18,391	0	0	9	24	963	6,689	4,705	25,146
21-Jun	4	4	4	89	1,288	6,567	0	0	0	0	332	2,562	1,624	9,218
22-Jun	*	*	0	0	248	1,246	0	0	0	0	35	256	283	1,502
23-Jun	*	*	71	550	372	2,063	0	0	4	15	70	488	517	3,116
24-Jun	5	6	5	66	928	4,340	0	0	5	15	196	1,489	1,134	5,910
25-Jun	5	5	4	58	640	3,137	0	0	2	6	108	830	754	4,031
26-Jun	*	*	0	0	163	985	0	0	0	0	0	0	163	985
27-Jun	*	*	0	0	70	346	0	0	0	0	16	127	86	473
28-Jun	11	11	15	245	3,963	21,356	0	0	108	327	889	6,271	4,975	28,199
29-Jun	15	15	24	488	3,334	18,986	0	0	29	91	167	1,238	3,554	20,803
30-Jun	6	6	12	204	3,270	17,611	12	70	239	675	1,889	14,782	5,422	33,342
1-Jul	8	8	3	36	515	2,682	0	0	70	220	195	1,440	783	4,378
2-Jul	9	10	4	78	1,198	5,995	1	9	137	365	176	1,489	1,516	7,936
3-Jul	10	10	12	219	2,757	13,470	0	- 0	358	885	1,121	10,854	4,248	25,428

-Continued-

Appendix E.4. (Page 4 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT (Cont.)														
4-Jul	4	4	1	12	1,344	6,741	0	0	231	710	358	2,581	1,934	10,044
5-Jul	4	4	27	230	1,619	8,008	0	0	583	1,721	481	3,698	2,710	13,657
6-Jul	9	9	39	688	3,187	15,855	4	32	1,472	4,350	1,403	11,253	6,105	32,178
7-Jul	13	13	65	649	2,011	11,576	4	24	1,047	3,269	655	5,488	3,782	21,006
8-Jul	6	6	20	266	679	3,618	0	0	827	2,446	871	7,703	2,397	14,033
9-Jul	14	14	112	702	2,539	12,843	67	394	3,032	9,298	2,732	22,134	8,482	45,371
13-Jul	6	6	4	43	610	3,478	54	273	1,633	4,695	925	6,825	3,226	15,314
14-Jul	10	10	7	109	4,333	22,502	187	1,469	5,351	16,085	2,861	21,135	12,739	61,300
15-Jul	7	8	9	97	1,992	9,498	40	202	3,417	10,847	1,443	9,806	6,901	30,450
16-Jul	28	28	40	440	4,711	27,051	256	1,638	9,930	33,626	4,006	33,841	18,943	96,596
17-Jul	*	*	3	71	1,495	7,478	4	32	3,525	10,103	843	6,066	5,870	23,750
20-Jul	16	17	5	141	4,302	23,062	80	419	12,686	37,558	1,335	11,177	18,408	72,357
21-Jul	24	24	7	117	8,799	45,998	72	504	23,774	72,299	1,781	17,328	34,433	136,246
22-Jul	30	30	55	559	5,179	27,318	108	787	26,045	74,184	3,134	28,338	34,521	131,186
23-Jul	54	55	73	721	8,569	43,740	812	5,967	61,355	176,514	5,423	44,324	76,232	271,266
27-Jul	16	16	6	132	4,670	23,982	17	110	27,151	55,033	1,090	8,826	32,934	88,083
28-Jul	28	30	19	341	9,839	50,917	167	1,272	38,442	122,546	2,876	24,800	51,343	199,876
29-Jul	22	24	24	486	5,292	27,024	327	2,069	26,781	79,076	1,929	15,458	34,353	124,113
30-Jul	33	33	50	722	10,168	52,606	244	1,745	52,385	163,905	3,905	31,840	66,752	250,818
3-Aug	14	14	0	0	1,901	9,624	15	93	7,295	23,148	527	5,058	9,738	37,923
4-Aug	27	28	5	120	3,143	16,865	264	1,984	40,166	120,255	2,353	19,757	45,931	158,981
5-Aug	32	32	33	450	4,348	23,047	1,122	7,607	58,939	185,869	2,386	19,402	66,828	236,375
6-Aug	48	50	27	713	11,465	58,494	1,260	9,150	112,130	310,992	2,450	19,125	127,332	398,474
7-Aug	41	42	41	635	20,077	104,243	1,688	11,767	134,154	415,837	3,407	26,390	159,367	558,872
11-Aug	44	46	51	678	22,835	121,127	956	6,743	81,845	245,389	1,287	10,731	106,974	384,668
12-Aug	46	46	41	580	20,434	105,664	1,480	10,698	124,977	379,599	2,231	16,911	149,163	513,452

-Continued-

Appendix E.4. (Page 5 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT (Cont.)														
13-Aug	46	48	48	710	15,811	83,007	1,158	8,656	113,032	357,560	1,820	14,059	131,869	463,992
14-Aug	49	52	51	764	12,283	63,476	2,185	15,063	157,955	474,939	2,132	17,284	174,606	571,526
15-Aug	51	56	25	444	17,697	92,361	1,499	10,932	170,196	513,969	2,542	19,618	191,959	637,324
16-Aug	46	48	42	671	16,164	84,276	1,381	10,651	129,966	401,959	1,109	9,232	148,662	506,789
17-Aug	44	46	46	467	16,841	86,408	1,246	9,371	108,610	330,794	1,121	8,172	127,864	435,212
18-Aug	36	38	15	293	15,207	80,220	1,707	12,664	94,414	283,311	517	4,271	111,860	380,759
19-Aug	50	58	45	685	22,312	115,883	2,885	22,066	164,863	468,768	1,195	9,263	191,300	616,665
20-Aug	38	46	29	440	30,757	162,945	1,258	10,848	105,580	324,869	486	4,305	138,110	503,407
21-Aug	46	48	17	231	12,279	65,624	1,769	14,255	95,438	303,804	1,415	11,690	110,918	395,604
22-Aug	51	52	13	199	8,621	46,571	1,904	15,023	108,948	324,711	886	7,054	120,372	393,558
23-Aug	47	47	7	65	5,131	26,934	1,806	13,500	57,455	178,001	999	7,982	65,398	226,482
24-Aug	24	25	28	312	13,760	71,044	894	6,965	55,174	171,374	248	2,212	70,104	251,907
25-Aug	31	32	5	69	13,836	70,799	1,061	7,876	49,972	136,647	251	1,901	65,125	217,292
26-Aug	33	34	10	204	14,764	75,649	1,354	10,004	41,091	119,201	230	1,727	57,449	206,785
27-Aug	33	42	10	178	20,649	100,476	1,800	14,391	56,879	173,416	264	2,270	79,602	290,731
28-Aug	20	21	16	237	8,619	42,326	1,377	10,711	38,991	115,511	265	1,829	49,268	170,614
29-Aug	17	17	0	0	5,964	29,575	739	5,833	15,788	50,176	98	722	22,589	86,306
30-Aug	14	15	2	30	4,091	21,095	790	6,173	14,581	42,402	50	378	19,514	70,078
31-Aug	16	16	1	10	2,577	13,294	740	5,888	15,238	45,905	42	326	18,598	65,423
1-Sep	12	12	1	19	1,311	6,634	410	3,443	5,635	15,510	9	83	7,366	25,689
2-Sep	11	11	5	60	4,163	20,998	451	3,232	4,193	12,886	23	160	8,835	37,336
3-Sep	14	14	2	38	5,391	28,077	863	6,424	4,485	13,682	12	88	10,753	48,309
4-Sep	14	14	0	0	2,183	10,948	1,019	8,067	2,236	6,124	8	59	5,446	25,198
5-Sep	13	13	0	0	2,659	13,786	617	4,723	2,178	6,116	10	74	5,464	24,099
6-Sep	11	11	1	10	2,033	10,977	432	3,846	849	2,689	0	0	3,315	17,522
7-Sep	9	9	0	0	2,054	10,859	437	3,675	30	90	0	0	2,521	14,624

-Continued-

Appendix E.4. (Page 6 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT (Cont.)														
8-Sep	6	6	4	38	2,387	12,542	815	6,888	355	1,065	9	72	3,570	20,605
9-Sep	6	6	1	22	1,973	10,879	412	3,102	348	1,283	3	21	2,737	15,307
10-Sep	*	*	0	0	206	1,043	11	87	0	0	0	0	217	1,130
11-Sep	4	4	0	0	803	4,672	99	752	18	50	0	0	920	5,474
12-Sep	8	9	1	10	3,713	19,572	161	1,149	30	100	1	8	3,906	20,839
13-Sep	*	*	0	0	183	915	0	0	7	20	0	0	190	935
14-Sep	*	*	0	0	882	4,851	59	425	10	35	5	40	956	5,351
15-Sep	*	*	0	0	462	2,544	71	494	0	0	0	0	533	3,038
16-Sep	*	4	0	0	1,166	5,969	184	1,242	0	0	0	0	1,350	7,211
E6	17-Sep	*	0	0	1,975	9,795	90	728	0	0	0	0	2,065	10,523
18-Sep	*	*	5	37	2,320	12,850	82	734	28	91	10	71	2,445	13,783
19-Sep	*	*	0	0	1,176	5,549	129	954	0	0	0	0	1,305	6,503
20-Sep	4	4	0	0	3,295	17,605	111	1,015	9	28	0	0	3,415	18,648
Total	174	1,616	1,556	21,071	514,963	2,672,947	43,247	326,908	2,474,724	7,439,087	78,926	634,730	3,113,416	11,094,743
Avg.Wt.				13.5		5.2		7.6		3.0		8.0		

OUTER KARLUK

14-Jun	9	9	3	37	3,287	14,945	0	0	0	0	188	1,245	3,478	16,227
15-Jun	*	*	4	49	609	3,091	0	0	0	0	99	646	712	3,786
16-Jun	8	8	25	398	6,179	28,880	0	0	0	0	531	3,319	6,735	32,597
17-Jun	7	7	42	584	5,404	25,538	0	0	1	4	613	3,962	6,060	30,088
18-Jun	5	5	10	212	2,896	13,928	0	0	0	0	489	2,968	3,395	17,108
19-Jun	8	8	27	479	3,202	15,146	0	0	0	0	578	3,480	3,807	19,105
20-Jun	8	8	26	549	7,332	35,226	0	0	3	6	1,433	8,600	8,794	44,381
21-Jun	4	4	23	358	3,472	18,993	0	0	0	0	640	5,265	4,135	24,616
22-Jun	12	12	31	673	4,692	26,377	0	0	0	0	764	5,865	5,487	32,915

-Continued-

Appendix E.4. (Page 7 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
OUTER KARLUK (Cont.)															
23-Jun	15	15	62	938	9,614	49,017	1	8	43	138	1,599	12,464	11,319	62,565	
24-Jun	17	18	191	3,283	9,219	46,186	1	5	51	154	2,911	22,406	12,373	72,034	
25-Jun	7	7	27	393	3,146	13,992	0	0	40	97	538	3,806	3,751	18,288	
26-Jun	5	5	38	793	1,887	8,560	0	0	29	84	500	3,822	2,454	13,259	
27-Jun	*	*	10	113	1,115	5,486	0	0	50	157	224	1,952	1,399	7,708	
28-Jun	*	*	3	53	522	2,479	0	0	0	0	64	515	589	3,047	
29-Jun	4	4	13	158	1,698	8,534	0	0	0	0	190	1,672	1,901	10,364	
30-Jun	*	*	6	46	560	2,036	0	0	0	0	167	1,340	733	3,422	
1-Jul	*	*	3	62	600	3,209	0	0	9	28	96	902	708	4,201	
44	4-Jul	5	5	25	402	2,136	10,907	0	0	92	245	214	1,746	2,467	13,300
	5-Jul	*	*	6	68	948	4,671	0	0	314	844	78	608	1,346	6,191
	6-Jul	5	5	55	577	2,376	12,604	1	7	449	1,085	263	2,115	3,144	16,388
	7-Jul	5	5	33	495	2,022	10,203	3	22	359	883	178	1,411	2,595	13,014
	8-Jul	6	6	20	237	3,228	15,495	1	5	1,038	3,054	399	2,952	4,686	21,743
	9-Jul	*	*	1	25	108	536	0	0	114	312	35	249	258	1,122
	13-Jul	*	*	0	0	405	2,228	0	0	93	210	10	78	508	2,516
	15-Jul	5	5	3	56	3,168	15,942	8	54	1,451	5,140	470	3,868	5,100	25,060
	16-Jul	9	10	4	85	6,115	30,064	7	48	4,545	14,666	1,029	8,214	11,700	53,077
	25-Aug	*	*	1	10	1,360	7,457	165	1,322	1,635	4,907	11	119	3,172	13,815
	26-Aug	*	*	0	0	1,333	6,669	96	675	2,320	6,267	23	164	3,772	13,775
	28-Aug	*	*	0	0	319	1,586	32	270	523	1,645	3	34	877	3,535
	29-Aug	*	*	0	0	747	4,147	280	2,022	1,145	4,485	15	135	2,187	10,789
	30-Aug	*	*	0	0	1,207	6,960	308	2,498	2,169	8,600	8	74	3,692	18,132
	31-Aug	4	4	2	54	1,774	8,676	470	3,934	2,057	8,020	21	173	4,324	20,857
	1-Sep	5	5	2	62	1,269	6,869	398	2,745	2,733	9,162	9	74	4,411	18,912
	2-Sep	8	8	3	54	7,943	42,791	683	4,203	2,974	10,166	19	135	11,622	57,349

-Continued-

Appendix E.4. (Page 8 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
OUTER KARLUK (Cont.)														
4-Sep	*	*	0	0	1,899	10,126	528	3,456	939	3,285	33	241	3,399	17,108
5-Sep	*	*	5	34	842	4,629	402	2,410	1,507	5,277	7	43	2,763	12,393
7-Sep	*	*	0	0	336	1,547	74	520	87	235	2	15	499	2,317
8-Sep	*	*	0	0	741	3,707	258	1,872	650	1,772	2	19	1,651	7,370
10-Sep	*	*	0	0	1,548	7,123	340	2,855	302	923	0	0	2,190	10,901
13-Sep	*	*	0	0	347	1,624	11	77	0	0	0	0	358	1,701
14-Sep	*	*	0	0	433	2,166	53	373	0	0	3	18	489	2,557
16-Sep	*	*	0	0	698	3,515	26	242	0	0	0	0	724	3,757
18-Sep	*	*	0	0	0	0	9	88	0	0	0	0	9	88
21-Sep	*	*	0	0	2,507	12,804	158	1,186	0	0	2	31	2,667	14,021
Total	62	208	704	11,337	111,243	556,669	4,313	30,897	27,722	91,851	14,458	106,745	158,440	797,499
Avg.Wt.				16.1		5.0		7.2		3.3		7.4		

INNER KARLUK

22-Jun	4	4	3	30	756	4,331	0	0	0	0	310	2,439	1,069	6,800
23-Jun	4	4	65	930	1,461	7,588	0	0	0	0	122	782	1,648	9,300
24-Jun	*	*	36	825	1,503	8,320	0	0	0	0	187	1,482	1,726	10,627
25-Jun	4	4	50	1,236	3,905	18,570	2	11	23	68	2,612	17,759	6,592	37,644
26-Jun	*	*	19	374	287	1,332	0	0	0	0	52	412	358	2,118
28-Jun	9	9	58	887	3,319	16,815	0	0	14	43	894	7,489	4,285	25,234
29-Jun	*	*	4	51	209	1,087	0	0	0	0	39	236	252	1,374
30-Jun	8	8	37	552	3,603	17,951	0	0	54	161	820	6,687	4,514	25,351
1-Jul	*	*	0	0	702	3,449	0	0	27	75	92	832	821	4,356
2-Jul	*	*	0	0	73	365	0	0	0	0	48	353	121	718
3-Jul	*	*	8	109	700	3,469	0	0	0	0	29	254	737	3,832
4-Jul	5	5	40	516	2,166	10,782	0	0	49	144	173	1,465	2,428	12,907

-Continued-

Appendix E.4. (Page 9 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
INNER KARLUK (Cont.)														
5-Jul	4	4	27	364	1,148	5,745	1	6	50	160	189	1,486	1,415	7,761
6-Jul	*	*	10	115	100	492	0	0	0	0	3	27	113	634
7-Jul	*	*	5	53	255	1,257	0	0	0	0	6	44	266	1,354
8-Jul	4	4	8	106	1,057	5,143	1	11	131	394	94	641	1,291	6,295
9-Jul	*	*	1	18	714	3,572	0	0	177	532	77	619	969	4,741
10-Jul	*	*	0	0	8	40	0	0	0	0	2	16	10	56
11-Jul	4	4	9	155	1,175	6,104	0	0	30	94	24	184	1,238	6,537
12-Jul	*	*	0	0	99	511	0	0	8	22	6	49	113	582
Total	30	63	380	6,321	23,240	116,923	4	28	563	1,693	5,779	43,256	29,966	168,221
Avg.Wt.				16.6		5.0		7.0		3.0		7.5		

HALIBUT BAY SECTION														0	0
23-Jun	20	20	48	690	6,858	32,001	0	0	0	0	665	4,779	7,571	37,470	
24-Jun	15	15	52	680	10,596	53,527	0	0	27	82	916	6,762	11,591	61,051	
25-Jun	22	23	44	509	19,051	99,024	1	7	251	777	1,354	10,477	20,701	110,794	
26-Jun	23	25	51	706	16,658	85,159	0	0	259	796	1,020	8,075	17,988	94,736	
27-Jun	*	*	6	58	1,007	5,034	0	0	10	30	100	895	1,123	6,017	
28-Jun	26	26	32	541	10,557	53,220	0	0	61	186	708	5,225	11,358	59,172	
29-Jun	39	40	29	396	17,994	93,521	2	17	208	636	1,025	7,629	19,258	102,199	
30-Jun	22	22	33	437	6,246	37,790	0	0	126	386	275	2,257	6,680	40,870	
1-Jul	16	16	22	248	5,319	30,011	0	0	100	261	474	3,826	5,915	34,346	
2-Jul	5	5	1	6	802	4,096	0	0	4	10	63	464	870	4,576	
3-Jul	7	7	6	59	5,377	28,198	3	20	12	43	166	1,398	5,564	29,718	
4-Jul	13	14	15	263	8,236	43,762	1	7	126	350	197	1,465	8,575	45,847	
5-Jul	20	21	31	396	6,671	35,656	4	26	397	1,184	297	2,165	7,400	39,427	
6-Jul	18	19	38	432	8,040	40,376	3	27	446	1,396	246	1,828	8,773	44,059	

-Continued-

Appendix E.4. (Page 10 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
HALIBUT BAY SECTION (Cont.)															
7-Jul	25	27	41	550	9,350	48,679	3	20	1,100	3,189	591	4,636	11,085	57,074	
8-Jul	28	28	88	839	10,844	56,024	9	61	1,193	3,527	502	3,728	12,636	64,179	
9-Jul	20	21	53	494	7,776	40,722	31	196	937	2,628	427	3,361	9,224	47,401	
10-Jul	19	19	4	61	5,730	30,276	2	13	453	1,391	274	2,120	6,463	33,861	
11-Jul	23	23	4	51	5,461	27,893	2	13	755	2,174	250	1,934	6,472	32,065	
12-Jul	19	19	1	7	7,009	35,559	0	0	1,117	3,244	364	2,891	8,491	41,701	
13-Jul	12	12	1	31	7,003	38,004	9	61	1,245	3,705	294	2,308	8,552	44,109	
14-Jul	14	14	21	151	8,004	41,973	147	908	2,461	7,422	1,283	7,559	11,916	58,013	
15-Jul	9	9	5	64	2,434	12,622	2	11	1,181	2,691	192	1,422	3,814	16,810	
L67	16-Jul	*	*	3	45	973	5,047	2	23	532	1,401	63	401	1,573	6,917
	20-Jul	*	*	3	58	580	3,044	8	50	1,300	3,451	95	597	1,986	7,200
	21-Jul	5	6	9	192	1,691	7,620	53	488	3,461	7,335	632	6,152	5,846	21,787
	22-Jul	9	10	9	139	3,375	17,108	4	27	4,324	12,834	184	1,448	7,896	31,556
	23-Jul	7	7	7	125	4,706	24,718	1	7	7,267	21,729	244	1,990	12,225	48,569
	27-Jul	*	*	2	34	504	2,626	20	113	1,237	3,583	45	337	1,808	6,693
	28-Jul	10	10	9	201	3,783	19,915	10	76	7,443	22,190	176	1,411	11,421	43,793
	29-Jul	5	5	0	0	956	4,667	0	0	1,637	4,864	9	78	2,602	9,609
	30-Jul	10	11	17	375	5,458	29,042	89	631	15,620	47,242	303	2,433	21,487	79,723
	31-Jul	18	18	18	336	6,546	34,041	140	1,076	20,534	61,861	367	2,865	27,605	100,179
	25-Aug	5	5	5	77	2,744	15,933	139	997	8,543	27,433	99	792	11,530	45,232
	26-Aug	*	*	0	0	675	3,470	38	282	1,075	3,274	6	54	1,794	7,080
	27-Aug	5	5	1	18	1,115	5,989	121	1,022	1,828	6,747	45	398	3,110	14,174
	28-Aug	*	*	0	0	195	1,010	12	98	410	1,236	2	16	619	2,360
	29-Aug	*	*	0	0	300	1,498	21	212	720	2,150	0	0	1,041	3,860
	30-Aug	*	*	0	0	468	2,340	102	718	1,148	3,100	20	142	1,738	6,300
	1-Sep	*	*	0	0	107	535	14	100	211	845	0	0	332	1,480

-Continued-

Appendix E.4. (Page 11 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
HALIBUT BAY SECTION (Cont.)														
2-Sep	*	*	0	0	866	4,765	129	774	819	2,867	37	219	1,851	8,625
3-Sep	*	*	0	0	3,528	19,408	392	2,354	1,407	4,927	10	100	5,337	26,789
4-Sep	*	*	7	67	11,998	67,050	895	5,231	6,500	20,863	73	506	19,473	93,717
5-Sep	*	*	0	0	2,215	11,820	97	674	478	1,673	1	7	2,791	14,174
6-Sep	6	6	1	21	1,357	6,964	379	2,405	1,263	3,885	21	135	3,021	13,410
7-Sep	4	4	2	29	768	4,018	244	1,867	1,014	3,205	23	148	2,051	9,267
8-Sep	*	*	0	0	470	2,356	189	1,709	598	1,795	0	0	1,257	5,860
10-Sep	*	*	0	0	50	258	14	91	0	0	0	0	64	349
11-Sep	*	*	0	0	865	4,579	92	862	0	0	0	0	957	5,441
Total	110	538	719	9,386	243,316	1,272,948	3,424	23,274	101,838	306,598	14,138	107,433	363,435	1,719,639
Avg.Wt.				13.1		5.2		6.8		3.0		7.6		

OUTER AYAKULIK SECTION

15-Jun	55	55	387	5,477	73,238	367,538	0	0	0	0	996	7,790	74,621	380,805
16-Jun	67	68	459	7,361	48,618	252,516	1	6	9	23	1,890	16,363	50,977	276,269
17-Jun	41	41	194	2,911	21,317	101,059	0	0	0	0	923	7,198	22,434	111,168
18-Jun	51	53	306	4,743	23,591	112,754	0	0	1	3	1,011	7,671	24,909	125,171
19-Jun	36	37	206	2,905	15,455	75,877	0	0	7	22	593	4,256	16,261	83,060
20-Jun	46	46	152	2,060	27,270	139,566	0	0	32	82	2,964	20,797	30,418	162,505
21-Jun	78	81	230	3,656	35,348	178,039	0	0	30	88	2,839	22,361	38,447	204,144
22-Jun	42	42	142	2,159	11,759	58,024	0	0	3	6	767	5,875	12,671	66,064
23-Jun	45	47	105	1,188	12,283	66,298	0	0	26	72	1,661	13,011	14,075	80,569
24-Jun	47	48	101	1,343	18,054	100,757	0	0	66	168	2,231	19,201	20,452	121,469
25-Jun	11	11	57	777	8,485	40,272	0	0	76	179	671	4,606	9,289	45,834
26-Jun	14	15	30	405	11,918	57,127	0	0	71	177	630	4,157	12,649	61,866
27-Jun	44	45	31	518	8,463	43,629	0	0	138	358	681	4,924	9,313	49,429

-Continued-

Appendix E.4. (Page 12 of 14)

Date	Permits	Landings	Chinook				Coho		Pink		Chum		Total Salmon		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
OUTER AYAKULIK SECTION (Cont.)															
28-Jun	42	42	29	397	11,608	59,564	0	0	85	242	867	6,953	12,589	67,156	
29-Jun	44	44	53	729	13,990	70,407	0	0	173	496	1,162	7,997	15,378	79,629	
30-Jun	41	41	77	786	11,442	56,040	0	0	282	725	843	5,881	12,644	63,432	
1-Jul	41	42	81	1,221	9,591	48,667	1	9	178	491	839	6,515	10,690	56,903	
2-Jul	13	14	38	320	3,706	19,148	0	0	30	95	62	544	3,836	20,107	
3-Jul	17	17	23	331	8,464	44,210	1	8	339	996	331	2,261	9,158	47,806	
4-Jul	40	40	64	770	17,630	91,795	0	0	1,492	4,219	761	5,521	19,947	102,305	
5-Jul	31	31	34	587	11,805	59,808	3	18	2,046	6,406	834	6,353	14,722	73,172	
6-Jul	22	23	16	188	7,695	40,227	12	84	1,850	4,890	909	6,651	10,482	52,040	
66	7-Jul	16	16	3	71	8,560	43,529	8	63	951	2,597	459	3,771	9,981	50,031
8-Jul	14	14	7	92	5,469	28,460	1	8	666	1,827	197	1,542	6,340	31,929	
9-Jul	20	20	17	243	3,946	20,023	5	30	498	1,451	182	1,366	4,648	23,113	
10-Jul	21	21	8	116	7,171	36,640	6	48	1,119	3,142	307	2,186	8,611	42,132	
11-Jul	34	34	22	400	13,369	69,403	12	75	3,089	8,774	781	6,117	17,273	84,769	
12-Jul	32	32	22	237	13,979	74,444	15	116	2,642	7,577	694	5,671	17,352	88,045	
13-Jul	20	21	2	45	14,858	77,523	5	30	2,163	6,253	646	4,666	17,674	88,517	
14-Jul	16	16	10	116	12,144	65,838	6	42	2,310	6,646	414	2,988	14,884	75,630	
15-Jul	40	40	16	152	13,373	71,411	23	151	4,637	12,604	755	5,715	18,804	90,033	
16-Jul	40	40	17	204	12,892	69,716	14	84	6,091	16,852	789	6,059	19,803	92,915	
27-Jul	5	5	1	18	1,780	8,817	0	0	1,053	2,971	7	48	2,841	11,854	
28-Jul	8	8	6	67	5,833	29,154	11	66	6,193	18,507	136	1,151	12,179	48,945	
29-Jul	9	11	4	63	12,627	65,573	69	475	8,755	23,723	489	3,938	21,944	93,772	
30-Jul	8	8	4	49	6,548	33,824	37	279	5,703	17,999	165	1,390	12,457	53,541	
31-Jul	17	17	1	30	9,270	50,620	23	173	6,080	18,640	239	1,923	15,613	71,386	
3-Aug	7	7	3	68	750	4,135	83	535	4,602	15,483	1,502	12,488	6,940	32,709	
4-Aug	20	21	6	102	5,502	27,705	128	952	11,134	32,652	417	3,123	17,187	64,534	

-Continued-

Appendix E.4. (Page 13 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
OUTER AYAKULIK SECTION (Cont.)														
5-Aug	23	26	2	15	8,255	40,203	212	1,561	13,401	38,688	502	3,584	22,372	84,051
6-Aug	15	15	0	0	5,653	29,213	117	878	11,364	35,195	240	1,861	17,374	67,147
7-Aug	18	18	2	4	10,146	51,759	159	1,295	14,825	44,355	271	2,084	25,403	99,497
11-Aug	5	5	0	0	6,613	35,725	71	561	10,547	26,619	71	539	17,302	63,444
12-Aug	*	*	0	0	2,585	14,218	20	158	8,674	21,686	20	146	11,299	36,208
13-Aug	*	*	0	0	962	5,295	57	345	4,325	13,842	34	237	5,378	19,719
14-Aug	*	*	0	0	1,296	7,481	53	347	8,571	22,431	84	668	10,004	30,927
15-Aug	5	5	0	0	5,442	30,167	121	764	16,542	52,267	168	1,184	22,273	84,382
16-Aug	13	14	1	15	7,999	42,716	125	1,093	53,543	157,186	157	1,368	61,825	202,378
17-Aug	20	22	0	0	7,668	43,067	245	1,785	73,537	231,928	284	2,100	81,734	278,880
18-Aug	19	19	2	18	3,627	19,984	257	1,856	38,038	117,856	163	1,222	42,087	140,936
19-Aug	9	9	2	46	2,305	12,209	99	697	11,557	33,845	149	1,204	14,112	48,001
20-Aug	5	5	0	0	1,579	9,474	135	824	12,229	39,407	47	328	13,990	50,033
21-Aug	7	7	0	0	904	5,503	146	1,150	4,556	13,716	13	105	5,619	20,474
22-Aug	4	4	3	56	512	2,603	57	463	4,736	9,465	15	116	5,323	12,703
23-Aug	*	*	0	0	1,030	5,667	116	811	3,818	11,457	40	284	5,004	18,219
24-Aug	*	*	0	0	563	3,101	83	576	2,430	7,294	3	19	3,079	10,990
Total	171	1,375	2,976	43,059	626,940	3,218,522	2,537	18,416	367,313	1,094,673	34,905	268,077	1,034,671	4,642,747
Avg.Wt.				14.5		5.1		7.3		3.0		7.7		

INNER AYAKULIK SECTION

15-Jun	9	9	145	1,866	21,511	86,052	0	0	0	0	1,058	8,318	22,714	96,236
16-Jun	*	*	43	910	3,650	18,249	0	0	0	0	0	0	3,693	19,159
17-Jun	23	23	127	1,943	13,016	66,239	0	0	0	0	296	2,621	13,439	70,803
18-Jun	20	20	46	703	7,617	40,115	1	6	2	4	334	2,995	8,000	43,823
19-Jun	13	13	49	609	4,557	25,133	0	0	5	12	335	2,358	4,946	28,112

-Continued-

Appendix E.4. (Page 14 of 14)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
INNER AYAKULIK SECTION (Cont.)														
20-Jun	7	7	124	2,055	6,411	32,140	0	0	0	0	79	778	6,614	34,973
21-Jun	*	*	12	224	703	3,608	0	0	0	0	3	23	718	3,855
22-Jun	14	14	78	1,006	4,012	21,270	2	9	0	0	228	2,493	4,320	24,778
1-Jul	7	7	0	0	1,317	6,610	0	0	0	0	17	139	1,334	6.749
2-Jul	*	*	12	230	920	4,765	0	0	0	0	0	0	932	4.995
5-Jul	*	*	6	65	1,207	6,152	0	0	1	3	0	0	1,214	6.220
Total	52	100	642	9,611	64,921	310,333	3	15	8	19	2,350	19,725	67,924	339,703
Avg.Wt.				15.0		4.8		5.0		2.4		8.4		

Appendix E.5. Beach seine daily salmon harvest, by species, for Westside Kodiak Management Plan units, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT														
19-Jun	*	*	0	0	56	218	0	0	0	0	0	0	56	218
13-Jul	*	*	0	0	12	67	0	0	16	36	0	0	28	103
14-Jul	*	*	0	0	100	522	0	0	70	218	5	45	175	785
15-Jul	*	*	0	0	21	80	0	0	38	134	0	0	59	214
16-Jul	*	*	0	0	80	400	0	0	75	225	18	125	173	750
23-Jul	*	*	0	0	20	110	0	0	97	311	11	75	128	496
29-Jul	*	*	0	0	27	161	0	0	106	357	2	16	135	534
3-Aug	*	*	0	0	12	60	0	0	5	20	1	6	18	86
7-Aug	*	*	0	0	12	63	0	0	146	512	1	11	159	586
15-Aug	*	*	0	0	21	109	0	0	135	475	12	101	168	685
16-Aug	*	*	0	0	48	240	0	0	107	375	1	15	156	630
17-Aug	*	*	0	0	26	132	0	0	90	318	2	17	118	467
18-Aug	*	*	0	0	14	70	0	0	76	207	0	0	90	277
19-Aug	*	*	0	0	17	85	0	0	46	125	0	0	63	210
20-Aug	*	*	0	0	115	630	0	0	13	45	0	0	128	675
21-Aug	*	*	0	0	43	236	0	0	52	145	0	0	95	381
26-Aug	*	*	0	0	15	76	0	0	0	0	0	0	15	76
Total	4	19	0	0	639	3,259	0	0	1,072	3,503	53	411	1,764	7,173
Avg.Wt.				0.0		5.1		0.0		3.3		7.8		

Appendix E.6. Gillnet daily salmon harvest, by species, for Westside Kodiak Management Plan units, 1999.

Date	Permits	Landing	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT														
9-Jun	35	36	32	360	7,167	37,936	0	0	0	0	106	754	7,305	39,050
10-Jun	55	69	67	789	24,211	128,352	1	6	0	0	483	3,366	24,762	132,513
14-Jun	30	31	11	139	8,303	42,542	0	0	0	0	361	2,534	8,675	45,215
15-Jun	62	76	42	597	17,565	90,305	0	0	0	0	889	6,186	18,496	97,088
16-Jun	54	57	47	720	12,663	66,481	0	0	0	0	840	5,832	13,550	73,033
17-Jun	63	67	62	839	13,181	67,496	1	6	0	0	899	6,202	14,143	74,543
18-Jun	59	66	46	626	13,931	71,170	0	0	1	3	1,068	7,590	15,046	79,389
19-Jun	59	59	33	547	11,609	59,044	0	0	2	6	1,096	7,548	12,740	67,145
20-Jun	54	62	56	803	11,488	59,187	0	0	1	4	1,315	9,360	12,860	69,354
21-Jun	65	67	42	575	16,621	84,965	0	0	3	13	2,176	14,554	18,842	100,107
22-Jun	56	62	15	257	14,577	73,856	2	13	12	35	1,709	11,555	16,315	85,716
23-Jun	68	69	29	419	17,153	88,217	1	6	24	92	2,400	16,598	19,607	105,332
24-Jun	53	61	21	290	8,351	43,807	2	13	19	63	1,331	9,510	9,724	53,683
25-Jun	64	65	31	447	8,936	47,266	1	8	24	85	1,725	12,255	10,717	60,061
26-Jun	57	58	22	274	9,532	50,098	1	6	28	106	1,521	10,726	11,104	61,210
27-Jun	59	60	18	247	10,816	57,266	3	21	38	135	1,919	13,089	12,794	70,758
28-Jun	54	55	51	486	9,098	49,265	2	14	45	149	1,466	10,292	10,662	60,206
29-Jun	58	59	37	402	8,249	43,402	4	28	65	234	1,084	7,844	9,439	51,910
30-Jun	56	58	24	329	12,653	67,585	1	7	120	425	1,381	9,882	14,179	78,228
1-Jul	67	68	29	419	17,707	96,339	2	15	211	766	2,681	18,786	20,630	116,325
2-Jul	56	56	22	322	15,950	82,895	7	46	256	917	2,242	16,031	18,477	100,211
3-Jul	68	70	31	396	25,099	135,547	26	182	569	1,999	4,143	28,418	29,868	166,542

-Continued-

Appendix E.6. (page 2 of 4)

Date	Permits	Landing	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT (Cont.)														
4-Jul	58	63	36	449	20,310	106,009	6	47	531	1,868	2,223	16,344	23,106	124,717
5-Jul	69	74	82	907	22,640	120,403	52	332	836	2,946	2,691	19,330	26,301	143,918
6-Jul	68	74	70	630	15,581	85,316	43	225	750	2,783	1,607	11,902	18,051	100,856
7-Jul	65	71	97	964	13,081	72,425	53	329	753	2,862	1,330	10,633	15,314	87,213
8-Jul	65	67	57	547	11,410	64,219	18	118	974	3,502	1,356	9,996	13,815	78,382
9-Jul	60	65	37	443	15,519	86,004	44	285	1,641	6,010	2,267	18,284	19,508	111,026
13-Jul	44	44	12	166	8,711	47,038	65	373	1,050	3,732	998	8,043	10,836	59,352
14-Jul	62	65	18	279	17,342	93,553	45	291	3,249	11,272	2,494	19,500	23,148	124,895
15-Jul	70	72	20	346	17,503	94,574	86	552	4,076	13,829	2,730	21,541	24,415	130,842
16-Jul	66	68	26	402	29,562	160,670	178	1,139	6,851	23,736	3,277	26,057	39,894	212,004
20-Jul	44	46	4	63	12,835	70,219	23	163	5,689	19,877	1,400	10,441	19,951	100,763
21-Jul	62	83	9	119	22,154	122,286	365	2,522	12,803	46,449	2,704	21,231	38,035	192,607
22-Jul	58	75	13	217	17,034	94,001	634	4,433	11,665	41,780	2,265	18,709	31,611	159,140
23-Jul	66	88	26	435	19,510	109,452	594	4,312	15,610	54,802	3,445	28,184	39,185	197,185
27-Jul	29	29	1	21	6,435	35,417	107	734	4,571	16,438	890	7,086	12,004	59,696
28-Jul	65	77	16	313	21,349	118,769	1,098	7,484	18,332	65,012	2,626	21,279	43,421	212,857
29-Jul	64	79	23	364	16,669	92,807	903	6,189	19,836	69,453	2,637	20,985	40,068	189,798
30-Jul	62	74	18	284	18,049	101,039	676	4,550	21,283	74,770	2,772	23,106	42,798	203,749
3-Aug	36	36	2	27	4,208	23,615	198	1,424	5,460	19,265	328	2,481	10,196	46,812
4-Aug	44	50	4	70	8,701	48,719	330	2,455	14,635	51,155	1,602	12,830	25,272	115,229
5-Aug	59	75	27	494	15,934	90,981	1,441	9,345	23,171	83,968	2,200	17,881	42,773	202,669
6-Aug	61	72	11	256	22,706	127,123	1,247	9,257	32,639	117,938	2,613	20,671	59,216	275,245

-Continued-

Appendix E.6. (page 3 of 4)

Date	Permits	Landing	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT (Cont.)														
7-Aug	63	84	7	127	27,524	154,246	1,641	11,755	44,519	156,581	3,366	26,342	77,057	349,051
11-Aug	53	54	6	107	13,722	76,048	629	4,681	24,812	87,640	1,045	8,355	40,214	176,831
12-Aug	62	66	19	297	23,237	129,200	1,819	13,729	45,383	162,017	2,060	15,943	72,518	321,186
13-Aug	61	77	8	157	25,695	142,092	2,116	15,681	50,921	179,168	1,897	15,072	80,637	352,170
14-Aug	60	76	8	134	19,282	107,712	1,934	13,934	47,732	168,240	1,293	10,185	70,249	300,205
15-Aug	57	74	7	106	22,297	122,795	958	7,153	42,866	150,466	1,113	8,650	67,241	289,170
16-Aug	60	75	11	177	23,437	129,238	1,174	8,804	45,231	159,583	1,086	8,515	70,939	306,317
17-Aug	57	71	13	144	18,825	105,194	1,224	9,513	36,013	125,855	970	7,616	57,045	248,322
18-Aug	58	67	10	148	22,496	123,948	1,606	12,386	44,433	156,195	818	6,423	69,363	299,100
19-Aug	59	70	15	235	22,656	125,236	1,686	13,155	42,592	153,874	796	6,337	67,745	298,837
20-Aug	57	63	4	48	17,560	97,591	1,441	11,386	38,375	136,749	629	5,015	58,009	250,789
21-Aug	52	61	7	89	18,652	102,454	1,408	10,755	32,114	114,565	543	4,265	52,724	232,128
22-Aug	56	63	6	82	16,727	91,479	1,642	12,720	38,669	141,510	669	5,328	57,713	251,119
23-Aug	56	61	5	90	8,359	45,967	1,735	13,582	31,329	112,411	608	5,002	42,036	177,052
24-Aug	52	58	13	179	23,542	129,177	2,054	16,349	26,221	92,351	656	5,422	52,486	243,478
25-Aug	53	61	8	130	23,646	131,359	2,158	17,564	31,133	111,772	508	3,895	57,453	264,720
26-Aug	50	53	15	195	15,898	88,383	1,581	12,537	28,839	102,605	452	3,530	46,785	207,250
27-Aug	47	50	3	28	9,780	52,321	1,116	8,717	20,431	67,809	235	1,741	31,565	130,616
28-Aug	42	46	5	76	7,408	40,168	949	7,416	15,861	51,223	177	1,320	24,400	100,203
29-Aug	38	40	2	23	7,123	38,323	1,059	8,084	14,769	46,772	160	1,164	23,113	94,366
30-Aug	36	39	2	35	7,396	39,894	750	5,837	13,579	46,248	189	1,387	21,916	93,401
31-Aug	32	33	2	45	4,430	23,944	764	6,281	7,734	26,654	106	787	13,036	57,711

-Continued-

Appendix E.6. (page 4 of 4)

Date	Permits	Landing	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST KODIAK DISTRICT (Cont.)														
1-Sep	34	35	2	34	2,568	13,708	830	6,712	6,096	21,042	65	510	9,561	42,006
2-Sep	23	24	1	17	4,028	21,792	689	5,088	4,698	14,019	22	161	9,438	41,077
3-Sep	18	19	0	0	6,179	33,352	671	5,091	2,803	8,628	30	217	9,683	47,288
4-Sep	18	18	0	0	5,819	31,204	996	7,552	2,689	8,684	15	96	9,519	47,536
5-Sep	13	13	0	0	3,381	18,383	440	3,408	854	3,117	8	58	4,683	24,966
6-Sep	11	11	1	18	2,143	11,375	383	3,030	348	1,318	2	18	2,877	15,759
7-Sep	12	12	2	20	2,052	11,118	497	3,539	345	1,309	6	41	2,902	16,027
8-Sep	13	14	2	16	1,841	10,131	423	3,220	164	642	8	57	2,438	14,066
9-Sep	11	11	0	0	1,523	8,285	170	1,300	57	211	3	27	1,753	9,823
10-Sep	7	7	0	0	1,683	9,193	144	1,143	69	268	1	7	1,897	10,611
11-Sep	9	10	1	16	1,731	9,317	164	1,255	60	222	2	15	1,958	10,825
12-Sep	11	13	8	85	2,496	12,913	339	2,429	22	66	0	0	2,865	15,493
13-Sep	12	13	0	0	1,464	7,428	277	1,633	0	0	0	0	1,741	9,061
14-Sep	6	6	0	0	1,064	5,730	77	557	17	61	0	0	1,158	6,348
15-Sep	6	6	0	0	1,315	7,023	60	444	2	7	1	7	1,378	7,481
16-Sep	5	6	0	0	1,248	6,551	70	541	0	0	0	0	1,318	7,092
17-Sep	*	*	0	0	1,625	8,025	49	354	0	0	0	0	1,674	8,379
18-Sep	*	*	0	0	1,540	9,409	36	332	0	0	0	0	1,576	9,741
20-Sep	*	*	0	0	1,780	8,920	50	444	0	0	0	0	1,830	9,364
Total	101	4,346	1,570	20,937	1,077,275	5,848,286	46,069	347,021	949,603	3,348,361	98,829	748,934	2,173,346	10,313,539
Avg.Wt.					13.3		5.4		7.5		3.5		7.6	

Appendix F.1. Narrative account of the North Shelikof sockeye salmon fishery in the Kodiak Management Area, 1999.

INTRODUCTION

In 1988 there was a significant harvest of large (greater than 6 pound) sockeye salmon in management units bordering the northern portion of Shelikof Strait (Appendices A.1 and A.6.). Analysis of average weights, salmon ages (determined from scale analysis), review of past tagging studies, and estimates of migratory timing, led to the determination that the majority of these sockeye salmon were bound for Cook Inlet (Barrett 1989). Though the Cook Inlet sockeye salmon run was at record level, the Board of Fisheries felt that this was an expanding, nontraditional harvest pattern. In 1990 the North Shelikof Strait Sockeye Salmon Management Plan (5AAC 18.363.) was adopted into regulation.

The North Shelikof Strait Sockeye Salmon Management Plan (NSSSSMP) limits purse seine fishing opportunities in those sections of the Kodiak Area which border the north Shelikof Strait (those waters of Shelikof Strait from Dakavak Bay to Cape Douglas in the Mainland District and from Raspberry Cape to Shuyak Island in the Afognak District). The plan covers the time period from July 6 through July 25 and establishes two specific sockeye salmon harvest "triggers" for defined management units within the affected zone. These "triggers" were established to protect Cook Inlet bound sockeye salmon which migrate through the Shelikof Strait. The Southwest Afognak management unit, comprised of the entire Southwest Afognak Section, and the North Shelikof management unit, comprised of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River Sections of the Mainland District and the Shuyak Island and Northwest Afognak Sections of the Afognak District, have separate sockeye salmon harvest triggers. If the sockeye salmon harvest within either of these units reaches an established level then commercial fishing opportunities within that unit are severely restricted.

By regulation "Seaward Zones" are established in each management unit; these zones are comprised of all waters seaward of a baseline which is drawn from cape to cape¹. The Seaward Zone of the Southwest Afognak Unit will close to fishing if 50,000 sockeye salmon are harvested between July 6 through July 25. The Seaward Zone of the North Shelikof Unit will close to fishing if 15,000 sockeye salmon are harvested between July 6 through July 25. If a Seaward Zone closure occurs, only the inshore "Shoreward Zone" (all waters inside the baseline) will remain open to commercial fishing during normal fishing periods.

Permit holders who intend to fish in management units covered by this plan were advised in the 1999 Kodiak Area Commercial Salmon Fishery Harvest Strategy (Prokopowich 1999) that in-period closures of the Seaward Zones might occur. In order to provide for orderly in-period closures, permit holders were notified that such closures would be announced on SSB channel 4125 MHz, at 8:00 AM, 10:00 AM, 2:00 PM, or 6:00 PM daily, with the effective closure time occurring in as little as three hours following the initial announcement.

In the eight years this plan has been in effect, seaward zone closures occurred in the Southwest Afognak Unit in 1992 and 1993, and seaward zone closures occurred in the North Shelikof Unit in 1990, 1992 through 1999 (Appendix F.2.).

-Continued-

¹ In 1993 the "seaward zone" boundary of the Southwest Afognak unit was modified by the Alaska Board of Fisheries. The "seaward zone" boundary was moved 1/2 mile offshore of the baseline running cape to cape, in order to allow for traditional harvest opportunities of pink salmon.

1999 North Shelikof Strait Salmon Fishery

Length and timing of commercial salmon fishing periods in the areas covered by this plan during July are based on the Kodiak pink and chum salmon harvest strategy. These areas have traditionally been opened during this time to allow for the harvest of bright, high quality pink and chum salmon migrating down the Shelikof Strait towards the major spawning systems of the west and south sides of Kodiak, or to local systems of Afognak and the Alaska Peninsula. Weekly fishing periods are scheduled preseason based on the forecasted return strength of pink salmon.

In 1999, during the July 6 to 25 time period of the North Shelikof Management Plan, three (3) fishing periods were scheduled preseason (Prokopowich 1999). For both the Southwest Afognak management unit and that portion of the North Shelikof management unit along Afognak Island (the Northwest Afognak and Shuyak Islands Sections), fishing was to be opened 12:00 NOON July 6 through 9:00 PM July 9 (3½ days), 12:00 NOON July 14 through 9:00 PM July 18 (4½ days), and 12:00 NOON July 21 through 9:00 PM July 25 (4½ days). For that portion of the North Shelikof management unit in the Mainland District (Big River to Dakavak Sections), fishing was to be opened 12:00 NOON July 6 through 9:00 PM July 8 (2½ days), 12:00 NOON July 14 through 9:00 PM July 16 (2½ days), and 12:00 NOON July 21 through 9:00 PM July 23 (2½ days).

The State vessel K-Hi-C was utilized to monitor the North Shelikof salmon fishery. The objective for having the K-Hi-C on the grounds was to collect up to date catch information needed to make management decisions, and to collect scale samples from sockeye salmon harvested. Catch information was obtained from fishing vessels on the grounds during the day and from tenders at night. Good estimates of species composition of the catch, number of fish caught in each seine haul, total daily catch, etc., were obtained for many of the vessels in each area. From these data an estimate was made of the total catch per area per day. Catch information was relayed to the Kodiak office several times each day. Harvest estimates were also made from daily verbal catch reports by processors to the ADF&G management staff in Kodiak.

In the Southwest Afognak management unit (50,000 sockeye salmon trigger), the Seaward Zone remained open during normal fishing periods from July 6 to 25. The total commercial salmon harvest from 38 permit holders was 700 chinook salmon, 18,724 sockeye salmon, 373 coho salmon, 41,961 pink salmon, and 4,720 chum salmon (Appendix F.2. and F.3.).

In the North Shelikof management units (15,000 sockeye trigger), the Seaward Zones were closed by emergency order on July 13 at 5:00 PM. At the time of the closure, approximately 13,021 sockeye salmon had been taken, based on harvest estimates from catcher vessels and processors (Appendix F.2.). The Shoreward Zones of the North Shelikof Unit remained open during normal fishing periods through July 25. The total 1999 North Shelikof Unit harvest for the time period July 6 through July 25 (based on post season fish ticket totals) included 309 chinook salmon, 30,830 sockeye salmon, 230 coho salmon, 31,921 pink salmon and, 7,795 chum salmon, with 45 vessels participating (Appendix F.2.and F.4.).

Appendix F.2. Summary of fishing time, zone closures, effort, and harvest by species, for management units affected by the North Shelikof Strait Sockeye Salmon Management Plan for the Kodiak Management Area, 1990 – 1999.

YEAR	MAINLAND		N. AFOGNAK		Zone Closure		Sockeye Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species July 6 through July 25					Upper Cook Inlet Sockeye Harvest
	# of days open to Fishing	# of days Seaward zone Closed	# of days open to fishing	# of days Seaward zone Closed	Date	Time			CHINOOK	SOCKEYE	COHO	PINK	CHUM	
	7.1	2.4	9.1	4.4	7/15	9pm	36,800	69	140	57,700	3,900	18,600	19,400	3.6 MILLION
1990	7.1	2.4	9.1	4.4	7/15	9pm	36,800	69	140	57,700	3,900	18,600	19,400	3.6 MILLION
1991	7.1	0	13.1	0	none	none	n/a	42	2,500	18,800	2,700	44,800	3,800	2.2 MILLION
1992	7.1	5.1	9.1	7.1	7/8	1pm	13,500	77	900	128,400	3,100	24,300	12,000	8.9 MILLION
1993	7.1	4.7	13.8	8.9	7/10	5pm	15,220	89	1,200	78,400	2,000	75,600	4,200	4.7 MILLION
1994	7.1	2.8	9.1	4.8	7/14	11am	22,830	58	165	38,800	2,400	52,000	10,500	3.5 MILLION
1995	7.1	3.3	13.3	8.5	7/13	10pm	15,770	77	150	37,400	1,260	178,800	16,590	2.9 MILLION
1996	7.1	4.3	7.1	4.3	7/15	10pm	11,675	77	260	73,720	1,820	30,050	14,585	3.9 MILLION
1997	7.1	4.9	10.1	7.9	7/8	5pm	19,850	80	1,940	59,140	1,840	38,190	4,550	4.1 MILLION
1998	7.1	2.4	10.1	4.4	7/16	9pm	17,812	39	141	40,631	5,381	59,536	6,368	1.2 MILLION
1999	7.1	3.3	10.1	6.3	7/13	10pm	13,021	45	309	30,830	230	31,921	7,795	2.7 MILLION

a/ In 1988, from 7/6 - 7/25, with 6.9 days open to fishing 392,000 sockeye were harvested in the "North Shelikof Units". In Upper Cook Inlet 6,800,000 sockeye were harvested.

YEAR	# of Days Open to Fishing	# of Days Seaward zone Closed	Zone Closure		Sockeye Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species July 6 through July 25					Upper Cook Inlet Sockeye Harvest
			Date	Time			CHINOOK	SOCKEYE	COHO	PINK	CHUM	
	9.1	0	none	none	N/A	64	300	22,900	3,600	53,800	6,000	3.6 MILLION
1990	9.1	0	none	none	N/A	64	300	22,900	3,600	53,800	6,000	3.6 MILLION
1991	13.1	0	none	none	N/A	55	300	34,200	3,600	100,700	4,000	2.2 MILLION
1992	9.1	4.7	7/14	1pm	48,200	84	300	50,600	600	30,000	6,800	8.9 MILLION
1993	13.1	7.7	7/14	1pm	45,900	87	860	74,000	7,100	243,000	7,400	4.7 MILLION
1994	9.1	0	none	none	N/A	45	360	13,600	1,000	64,300	3,100	3.5 MILLION
1995	13.3	0	none	none	N/A	64	760	21,360	1,750	490,510	22,220	2.9 MILLION
1996	7.1	0	none	none	N/A	32	185	10,510	803	79,205	10,785	3.9 MILLION
1997	10.1	0	none	none	N/A	61	1,500	18,120	1,760	62,730	8,440	4.1 MILLION
1998	10.1	0	none	none	N/A	22	239	10,339	2,292	82,683	1,899	1.2 MILLION
1999	10.1	0	none	none	N/A	38	700	18,724	373	41,961	4,720	2.7 MILLION

b/ In 1988, from 7/6 - 7/25, with 11.1 days open to fishing 86,000 sockeye were harvested in the "Southwest Afognak Unit". In Upper Cook Inlet 6,800,000 sockeye were harvested.

Appendix F.3. Daily salmon harvest by section and species for the Southwest Afognak management unit of the North Shelikof Strait Sockeye Salmon Management Plan, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon			
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds		
SOUTHWEST AFOGNAK SECTION																
<i>FIRST PERIOD (7/6-7/9)</i>																
6-Jul	*	2	4	31	138	746	0	0	35	105	21	208	198	1,090		
7-Jul	*	2	2	12	153	768	0	0	77	250	50	354	282	1,384		
8-Jul	*	2	14	141	164	659	0	0	35	104	15	89	228	993		
9-Jul	*	3	13	92	135	656	0	0	145	531	92	697	385	1,976		
TOTAL	8	9	33	276	590	2,829	0	0	292	990	178	1,348	1,093	5,443		
AVG.WT.				8.4		4.8				3.4			7.6			
<i>SECOND PERIOD (7/14-7/17)</i>																
14-Jul	5	5	160	1,378	801	4,394	9	56	1,604	4,815	200	1,705	2,774	12,348		
15-Jul	5	5	61	771	1,066	5,920	0	0	1,523	4,573	275	2,232	2,925	13,496		
16-Jul	18	18	247	2,647	6,168	31,177	74	512	6,427	18,878	1,393	10,250	14,309	63,464		
TOTAL	22	28	468	4,796	8,035	41,491	83	568	9,554	28,266	1,868	14,187	20,008	89,308		
AVG.WT.				10.2		5.2				3.0			7.6			
<i>THIRD PERIOD (7/21-7/24)</i>																
21-Jul	4	4	19	224	228	1,350	20	106	807	2,429	73	518	1,147	4,627		
22-Jul	8	8	23	300	1,616	9,789	42	464	4,825	14,023	273	2,972	6,779	27,548		
23-Jul	8	7	62	662	2,432	13,714	107	768	9,582	23,704	782	6,068	12,965	44,916		
24-Jul	16	17	95	960	5,823	26,997	121	825	16,901	52,532	1,546	11,287	24,486	92,601		
TOTAL	22	36	199	2,146	10,099	51,850	290	2,163	32,115	92,688	2,674	20,845	45,377	169,692		
AVG.WT.				10.8		5.1				2.9			7.8			
SOUTHWEST AFOGNAK MANAGEMENT UNIT, JULY 6-25																
TOTALS	38	73	700	7,218	18,724	96,170	373	2,731	41,961	121,944	4,720	36,380	66,478	264,443		
AVG.WT.				10.3		5.1			7.3		2.9		7.7			

* = Confidential information.

Appendix F.4. Daily salmon harvest by section and species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon			
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds		
FIRST PERIOD (7/6-7/9)																
<i>NORTHWEST AFOGNAK SECTION</i>																
6-Jul	*	3	3	27	1793	8647	0	0	11	34	24	174	1,831	8,882		
7-Jul	*	5	2	42	2565	12829	1	8	255	432	58	491	2,881	13,802		
8-Jul	*	2	29	243	1026	6174	5	45	868	3040	647	5194	2,575	14,696		
9-Jul	*	1	21	174	326	1961	2	20	394	1380	197	1582	940	5,117		
TOTAL	7	11	55	486	5710	29611	8	73	1528	4886	926	7441	8,227	42,497		
AVG.WT.				8.8		5.2		9.1		3.2			8.0			
<i>DAKAVAK BAY SECTION</i>																
6-Jul	11	11	18	329	1257	6764	0	0	735	2121	261	2422	2,271	11,636		
7-Jul	9	9	37	823	1464	8668	1	7	2016	5620	548	5366	4,066	20,484		
8-Jul	5	5	63	462	599	2611	6	35	399	1210	233	2238	1,300	6,556		
TOTAL	18	25	118	1,614	3,320	18,043	7	42	3,150	8,951	1,042	10,026	7,637	38,676		
AVG.WT.				13.7		5.4		6.0		2.8			9.6			
SECOND PERIOD (7/14-7/17)																
<i>NORTHWEST AFOGNAK SECTION</i>																
13-Jul	*	1	0	0	17	103	1	5	28	98	5	40	51	246		
16-Jul	*	2	18	210	380	2235	0	0	543	1630	163	1470	1,104	5,545		
TOTAL	3	3	18	210	397	2,338	1	5	571	1,728	168	1,510	1,155	5,791		
AVG.WT.				11.7		5.9		5.0		3.0			9.0			
<i>DAKAVAK BAY SECTION</i>																
13-Jul	9	9	5	77	3974	23351	8	45	1861	5533	623	5556	6,471	34,562		
14-Jul	7	7	11	108	3151	19105	19	86	1852	4733	1273	9917	6,306	33,949		
15-Jul	11	10	65	897	6065	35872	9	57	2978	8506	1396	12175	10,513	57,507		
TOTAL	23	26	81	1,082	13,190	78,328	36	188	6,691	18,772	3,292	27,648	23,290	126,018		
AVG.WT.				13.4		5.9		5.2		2.8			8.4			
THIRD PERIOD (7/21-7/24)																
<i>NORTHWEST AFOGNAK SECTION</i>																
21-Jul	*	1	1	11	1170	6996	27	181	6217	18672	203	1630	7,618	27,490		
22-Jul	*	2	21	175	1449	8706	72	518	8674	26041	434	3480	10,650	38,920		
23-Jul	*	1	0	0	142	859	6	48	2297	6924	62	671	2,507	8,502		
TOTAL	3	4	22	186	2761	16561	105	747	17188	51637	699	5781	20775	74912		
AVG.WT.				8.5		6.0		7.1		3.0			8.3			

-Continued-

Appendix F.4. (Page 2 of 2)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
DAKAVAK BAY SECTION														
21-Jul	*	1	3	28	904	5,586	25	90	1,028	2,987	489	3,434	2,449	12,125
22-Jul	*	3	12	180	4,548	22,869	48	345	1,765	5,105	1,179	8,374	7,552	36,873
TOTAL	4	4	15	208	5,452	28,455	73	435	2,793	8,092	1,668	11,808	10,001	48,998
AVG.WT.				13.9		5.2		6.0		2.9		7.1		
NORTH SHELIKOF MANAGEMENT UNITS HARVEST, JULY 6-25														
6-Jul	14	14	21	356	3,050	15,411	0	0	746	2,155	285	2,596	4,102	20,518
7-Jul	12	14	39	865	4,029	21,497	2	15	2,271	6,052	606	5,857	6,947	34,286
8-Jul	7	7	92	705	1,625	8,785	11	80	1,267	4,250	880	7,432	3,875	21,252
9-Jul	*	1	21	174	326	1,961	2	20	394	1,380	197	1,582	940	5,117
13-Jul	10	10	5	77	3,991	23,454	9	50	1,889	5,631	628	5,596	6,522	34,808
14-Jul	7	7	11	108	3,151	19,105	19	86	1,852	4,733	1,273	9,917	6,306	33,949
15-Jul	11	10	65	897	6,065	35,872	9	57	2,978	8,506	1,396	12,175	10,513	57,507
16-Jul	*	2	18	210	380	2,235	0	0	543	1,630	163	1,470	1,104	5,545
21-Jul	*	2	4	39	2,074	12,582	52	271	7,245	21,659	692	5,064	10,067	39,615
22-Jul	4	5	33	355	5,997	31,575	120	863	10,439	31,146	1,613	11,854	18,202	75,793
23-Jul	*	1	0	0	142	859	6	48	2,297	6,924	62	671	2,507	8,502
TOTAL	45	73	309	3,786	30,830	173,336	230	1,490	31,921	94,066	7,795	64,214	71,085	336,892
AVG. WT.				12.3		5.6		6.5		2.9		8.2		

* = Confidential information.

Appendix G.1. Narrative account of the Eastside Afognak salmon fishery in the Kodiak Management Area, 1999.

INTRODUCTION

The eastside Afognak District (Appendix A.1) fishery is unique in the KMA. The Kitoi Bay Hatchery on the eastside of Afognak Island produces significant returns of pink and coho salmon. In 1990 the Board of Fisheries approved the Eastside Afognak Management Plan (5AAC 18.365) to govern the fisheries in the vicinity of the hatchery. This plan details the key species and targeted stocks which are managed in each of these sections throughout the fishing season. Although occasionally modified, the plan has essentially been in effect since 1981, and was formulated jointly by KMA commercial fishery managers and the Kitoi Bay Hatchery manager. It is the goal of this plan to achieve escapement and harvest objectives for salmon stocks of the Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay Sections, and assure broodstock for the hatchery. The board intended that local stocks and hatchery fish be harvested within these sections (ADF&G 1999).

Within the Southeast Afognak Section, the Afognak Lake system produces significant runs of sockeye, pink, and coho salmon. This system has been fertilized yearly, and has had sockeye salmon juveniles planted in the lake (Schrof et al 2000). Since 1994 large returns of sockeye salmon have occurred to this system, with escapements surpassing the upper goals despite extended fishing time. Though no formal forecast is prepared for this system, it was felt that the 1999 return could again be well in excess of escapement requirements. From June 9 to July 5, management is based on the sockeye salmon returning to the Afognak Lake system. The initial opening for this system is normally scheduled for the time of the second 33 hour "commercial test fishery," on June 14. However, in the 1999 Harvest Strategy it was stated that this section might open as early as June 9, depending on sockeye salmon escapement and build up (Prokopowich 1999).

The fisheries associated with the Kitoi Bay Hatchery mainly target pink salmon. However, Kitoi Bay Hatchery also produces early chum and sockeye, and late returns of sockeye salmon and coho salmon (Hall et al. 1999) The management unit closest to the hatchery, the Kitoi Bay Section, is normally closed to allow buildup and collection of fish for hatchery broodstock. The initial openings in July for pink salmon fisheries around Kitoi are scheduled to coincide with general KMA pink salmon fisheries. Early July fisheries may be allowed if broodstock requirements are met for early chum and sockeye salmon, and fisheries may be limited from late July to late August until pink salmon broodstock requirements are met. In the 1999 Harvest Strategy it was stated that an opening in the Duck Bay, Izhut Bay, and the normally closed Kitoi Bay Section would be allowed June 9 to harvest a forecasted early return of sockeye salmon (Prokopowich 1999). Also, the initial opening of the Kitoi Bay Section during pink salmon fisheries was listed as July 28, the time of the fourth general opening, if it appeared broodstock requirements were being met.

-Continued-

1999 East Afognak Fisheries

A total of 140 commercial salmon landings were made from the Southeast Afognak Section in 1999, with the first landing on June 9 and the final landing made on August 27. During that time 53 permit holders harvested 61 chinook salmon, 40,112 sockeye salmon, 1,203 coho salmon, 48,470 pink salmon, and 1,884 chum salmon (Appendix G.2.).

Fisheries associated with the Kitoi Bay Hatchery, in the Duck Bay, Izhut Bay, and Kitoi Bay Sections, began June 9, with the last landing occurring September 23. One hundred twenty six (126) permit holders harvested 183 chinook salmon, 63,342 sockeye salmon, 116,513 coho salmon 4,057,093 pink salmon, and 140,896 chum salmon (Appendix G.3).

Appendix G.2. Daily salmon harvest, by species, for Southeast Afognak Section management unit of the East Afognak Management Plan, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
SOUTHEAST AFOGNAK SECTION														
9-Jun	12	12	1	20	5,220	23,802	0	0	0	0	158	1,108	5,379	24,930
10-Jun	11	12	2	44	4,640	22,560	0	0	0	0	30	207	4,672	22,811
11-Jun	12	12	0	0	3,836	17,923	0	0	0	0	0	0	3,836	17,923
12-Jun	12	14	22	291	4,204	20,682	0	0	0	0	256	1,841	4,482	22,814
13-Jun	12	12	4	101	2,263	11,139	0	0	0	0	0	0	2,267	11,240
14-Jun	6	6	5	46	962	4,046	0	0	0	0	0	0	967	4,092
15-Jun	5	5	1	23	512	2,466	0	0	0	0	0	0	513	2,489
17-Jun	*	*	0	0	338	1,452	0	0	0	0	2	13	340	1,465
18-Jun	*	*	0	0	1,445	6,187	0	0	0	0	0	0	1,445	6,187
19-Jun	*	*	0	0	1,088	4,494	0	0	0	0	3	24	1,091	4,518
20-Jun	*	*	2	21	669	2,902	0	0	0	0	0	0	671	2,923
21-Jun	6	6	2	39	2,946	13,210	0	0	0	0	4	22	2,952	13,271
22-Jun	7	7	1	26	2,209	9,421	0	0	0	0	0	0	2,210	9,447
23-Jun	7	8	3	61	2,256	9,602	0	0	0	0	0	0	2,259	9,663
24-Jun	*	*	1	18	851	3,771	0	0	0	0	3	20	855	3,809
25-Jun	*	*	1	6	637	3,162	0	0	0	0	4	30	642	3,198
26-Jun	*	*	3	39	439	2,564	0	0	0	0	8	66	450	2,669
27-Jun	4	4	0	0	725	3,507	0	0	0	0	0	0	725	3,507
28-Jun	*	*	0	0	90	1,361	0	0	0	0	0	0	90	1,361
29-Jun	*	*	0	0	503	2,190	0	0	0	0	0	0	503	2,190
8-Jul	*	*	0	0	34	136	0	0	17	51	20	121	71	308
9-Jul	4	4	6	65	1,695	7,590	20	156	881	2,641	407	2,747	3,009	13,199
14-Jul	*	*	0	0	1,811	7,247	90	724	1,852	5,558	819	4,914	4,572	18,443
22-Jul	*	*	0	0	35	173	0	0	109	328	21	144	165	645
28-Jul	*	*	5	43	267	1,255	73	511	2,402	7,080	53	364	2,800	9,253
3-Aug	*	*	0	0	115	595	30	198	4,785	14,357	35	254	4,965	15,404
5-Aug	*	*	2	37	25	153	7	58	1,242	3,726	10	115	1,286	4,089
15-Aug	*	*	0	0	8	35	14	75	1,883	5,650	0	0	1,905	5,760
20-Aug	6	7	0	0	178	940	521	3,324	25,998	85,597	29	235	26,726	90,096
21-Aug	*	*	0	0	24	131	80	478	2,904	10,164	14	92	3,022	10,865
27-Aug	*	*	0	0	87	433	368	2,940	6,397	19,191	8	75	6,860	22,639
Total	53	140	61	880	40,112	185,129	1,203	8,464	48,470	154,343	1,884	12,392	91,730	361,208
Avg.Wt.				14	5		7		3		7		7	

* Confidential information.

Appendix G.3. Daily salmon harvest, by section and species, for the Izhut, Duck, and Kitoi Bay Section management units of the East Afognak Management Plan, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
IZHUT BAY SECTION														
11-Jun	*	*	0	0	57	257	0	0	0	0	1,509	11,503	1,566	11,760
14-Jun	*	*	0	0	22	111	0	0	0	0	608	5,095	630	5,206
16-Jun	*	*	0	0	112	560	0	0	0	0	5,606	39,246	5,718	39,806
17-Jun	*	*	0	0	184	926	0	0	0	0	7,181	50,464	7,365	51,390
19-Jun	*	*	8	99	220	1,099	1	11	0	0	7,599	56,521	7,828	57,730
21-Jun	*	*	1	16	35	189	0	0	0	0	7,690	56,944	7,726	57,149
22-Jun	*	*	0	0	0	0	0	0	0	0	1,205	8,562	1,205	8,562
23-Jun	*	*	3	40	154	713	0	0	0	0	3,010	23,215	3,167	23,968
24-Jun	*	*	0	0	7	38	0	0	0	0	2,483	17,383	2,490	17,421
25-Jun	4	4	1	14	30	150	0	0	0	0	3,994	28,677	4,025	28,841
27-Jul	5	5	0	0	5,956	28,475	0	0	514	1,505	825	4,337	7,295	34,317
28-Jul	5	5	0	0	1,744	8,913	0	0	1,295	3,546	693	5,084	3,732	17,543
29-Jul	*	*	0	0	1,115	5,494	112	616	3,651	10,194	204	1,192	5,082	17,496
30-Jul	*	*	1	2	580	3,020	30	237	1,920	5,785	49	337	2,580	9,381
31-Jul	*	*	0	0	77	414	0	0	887	2,620	29	159	993	3,193
1-Aug	4	4	0	0	493	2,107	47	252	6,085	16,333	126	716	6,751	19,408
2-Aug	*	*	0	0	66	330	0	0	788	2,365	8	56	862	2,751
3-Aug	*	*	0	0	156	787	30	195	4,552	12,881	18	160	4,756	14,023
5-Aug	*	*	0	0	34	181	4	26	4,114	10,715	14	105	4,166	11,027
6-Aug	6	6	0	0	215	1,097	33	189	84,918	70,855	55	415	85,221	72,556
7-Aug	15	15	2	21	567	2,832	329	2,049	55,088	165,397	570	4,440	56,556	174,739
8-Aug	15	15	1	6	370	1,787	134	917	43,048	118,994	73	652	43,626	122,356
9-Aug	17	17	0	0	966	4,667	655	4,501	80,748	235,160	147	1,169	82,516	245,497
10-Aug	9	9	1	4	373	2,024	391	3,028	38,263	113,594	44	288	39,072	118,938
11-Aug	8	8	0	0	453	2,274	191	1,387	47,434	132,093	53	375	48,131	136,129
12-Aug	15	17	1	20	1,065	5,250	864	5,686	107,429	318,082	227	1,462	109,586	330,500
13-Aug	18	18	8	108	969	4,546	611	5,061	71,699	206,711	190	1,364	73,477	217,790
14-Aug	19	20	3	42	799	4,127	876	6,482	84,210	241,280	122	979	86,010	252,910
15-Aug	13	13	5	63	579	2,740	562	4,393	78,639	214,453	98	688	79,883	222,337
21-Aug	21	21	1	7	801	4,179	2,326	16,971	101,669	306,703	53	423	104,850	328,283
22-Aug	29	31	0	0	965	5,049	3,778	26,714	148,646	452,186	56	447	153,445	484,396
23-Aug	27	28	0	0	1,514	7,752	4,013	27,849	148,686	461,588	54	402	154,267	497,591
24-Aug	23	24	2	23	790	3,995	4,060	29,372	79,880	242,766	32	276	84,764	276,432
25-Aug	19	21	0	0	641	3,257	2,776	19,818	79,259	246,767	6	47	82,682	269,889

-Continued-

Appendix G.3. (page 2 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
IZHUT BAY SECTION (con't)														
26-Aug	12	14	0	0	432	2,234	3,733	27,452	57,230	182,084	17	104	61,412	211,874
27-Aug	*	*	0	0	527	2,425	794	6,353	10,636	26,022	3	21	11,960	34,821
28-Aug	8	10	0	0	534	2,438	3,341	24,825	36,867	96,642	29	211	40,771	124,116
29-Aug	4	4	0	0	214	1,009	1,397	10,059	15,271	48,373	3	17	16,885	59,458
30-Aug	9	10	0	0	653	3,095	4,803	37,078	34,972	103,759	13	106	40,441	144,038
31-Aug	8	9	0	0	416	1,934	4,487	31,787	35,029	106,293	14	112	39,946	140,126
1-Sep	*	*	0	0	34	167	1,285	9,061	3,725	11,168	6	33	5,050	20,429
2-Sep	4	4	0	0	46	209	2,141	16,473	5,198	15,594	3	20	7,388	32,296
3-Sep	*	*	0	0	56	253	1,255	8,784	4,147	13,687	0	0	5,458	22,724
4-Sep	*	*	0	0	87	437	2,874	24,334	7,196	22,656	0	0	10,157	47,427
5-Sep	7	7	0	0	179	814	5,276	38,710	5,285	16,038	1	6	10,741	55,568
6-Sep	5	5	0	0	84	536	2,246	18,361	18,337	61,185	4	28	20,671	80,110
7-Sep	10	11	0	0	146	696	3,975	32,450	10,559	32,346	156	1,100	14,836	66,592
8-Sep	4	4	0	0	177	883	1,873	13,966	2,035	5,819	0	0	4,085	20,668
9-Sep	5	5	0	0	106	519	2,200	16,298	13,791	42,300	0	0	16,097	59,117
10-Sep	*	*	0	0	42	203	2,120	15,743	2,987	8,282	0	0	5,149	24,228
11-Sep	*	*	0	0	10	51	659	5,211	1,050	3,331	0	0	1,719	8,593
12-Sep	*	*	0	0	19	96	1,317	9,868	730	2,190	0	0	2,066	12,154
13-Sep	*	*	0	0	0	0	565	4,719	299	898	0	0	864	5,617
14-Sep	*	*	0	0	0	0	606	4,355	0	0	0	0	606	4,355
15-Sep	*	*	0	0	9	46	828	5,780	0	0	0	0	837	5,826
Total	95	417	38	465	25,880	127,385	69,598	517,421	1,538,766	4,391,240	44,880	324,941	1,679,162	5,361,452
Avg. Wt.				12		5		7		3		7		

DUCK BAY SECTION

9-Jun	*	*	0	0	692	3,465	0	0	0	0	1	13	693	3,478
3-Jul	*	*	1	3	42	200	0	0	42	112	498	3,339	583	3,654
9-Jul	*	*	0	0	724	3,622	7	49	602	1,807	307	2,155	1,640	7,633
10-Jul	*	*	0	0	766	3,834	11	78	847	2,542	265	1,859	1,889	8,313
14-Jul	*	*	0	0	847	4,234	26	184	1,236	3,710	306	2,146	2,415	10,274
15-Jul	*	*	0	0	439	2,198	25	177	519	1,557	178	1,247	1,161	5,179
21-Jul	*	*	0	0	102	489	49	282	209	591	20	126	380	1,488
22-Jul	*	*	0	0	156	780	0	0	672	2,017	8	56	836	2,853
23-Jul	*	*	0	0	1,162	8,136	0	0	26	104	626	4,366	1,814	12,606
29-Jul	*	*	0	0	22	119	3	28	112	336	5	37	142	520

-Continued-

Appendix G.3. (page 3 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
DUCK BAY SECTION (con't)														
30-Jul	*	*	1	2	187	1,096	33	261	963	3,678	34	252	1,218	5,289
31-Jul	*	*	1	38	973	5,060	231	1,390	13,793	41,378	186	1,340	15,184	49,206
1-Aug	*	*	1	33	650	3,687	188	1,161	11,354	34,063	127	956	12,320	39,900
2-Aug	6	6	0	0	908	4,582	317	2,177	21,357	64,073	103	711	22,685	71,543
3-Aug	5	5	0	0	483	2,425	152	989	18,366	55,946	90	607	19,091	59,967
5-Aug	7	7	1	33	479	2,540	653	4,257	30,601	96,340	80	606	31,814	103,776
6-Aug	10	11	7	97	489	2,603	536	3,892	47,006	140,239	90	621	48,128	147,452
7-Aug	14	15	2	53	670	3,407	439	3,119	73,179	176,862	980	8,228	75,270	191,669
8-Aug	21	24	16	274	1,636	6,864	909	6,207	94,913	264,703	761	6,074	98,235	284,122
9-Aug	16	19	1	10	972	4,809	790	5,269	99,083	273,913	231	1,746	101,077	285,747
10-Aug	14	14	3	46	532	3,088	408	3,228	55,637	176,979	55	374	56,635	183,715
11-Aug	13	13	6	102	681	3,437	979	7,062	72,154	219,350	90	709	73,910	230,660
12-Aug	14	15	0	0	793	4,545	943	7,126	93,926	280,543	126	944	95,788	293,158
13-Aug	14	14	1	27	469	2,453	820	5,949	58,681	171,352	92	757	60,063	180,538
14-Aug	17	17	0	0	1,157	5,788	1,594	10,452	110,610	314,926	338	2,707	113,699	333,873
15-Aug	16	16	1	7	1,143	5,798	1,531	10,941	125,798	361,416	115	862	128,588	379,024
16-Aug	12	13	0	0	635	3,323	582	4,411	80,062	248,731	64	471	81,343	256,936
17-Aug	24	30	4	42	1,770	8,849	1,720	13,038	239,673	681,514	432	3,373	243,599	706,816
18-Aug	25	31	4	73	1,614	8,282	1,983	13,932	297,842	838,325	242	1,814	301,685	862,426
19-Aug	39	41	4	67	1,350	7,105	2,461	18,241	230,778	744,503	343	3,186	234,936	773,102
20-Aug	22	22	1	12	515	2,658	790	5,769	78,153	233,359	66	445	79,525	242,243
21-Aug	15	15	0	0	441	2,264	1,176	8,226	68,868	205,696	56	406	70,541	216,592
22-Aug	10	10	2	16	418	2,136	877	6,281	43,398	138,423	56	358	44,751	147,214
23-Aug	4	4	0	0	196	1,027	817	5,223	12,017	40,776	20	143	13,050	47,169
24-Aug	11	12	0	0	637	3,042	2,404	15,481	41,356	135,230	1,262	10,113	45,659	163,866
25-Aug	9	9	0	0	467	2,424	2,261	15,820	50,146	154,325	35	248	52,909	172,817
26-Aug	6	7	1	20	285	1,399	1,250	8,800	28,585	84,641	10	88	30,131	94,948
27-Aug	5	5	0	0	1,075	5,350	1,973	15,439	14,682	44,047	10	90	17,740	64,926
28-Aug	4	5	0	0	165	791	1,755	13,262	32,793	98,381	2	22	34,715	112,456
29-Aug	4	4	0	0	91	456	494	3,945	19,327	57,982	2	11	19,914	62,394
30-Aug	6	6	0	0	244	1,201	1,820	15,195	21,762	66,001	9	69	23,835	82,466
31-Aug	4	4	0	0	185	840	1,228	8,414	19,233	58,292	3	21	20,649	67,567
2-Sep	*	*	0	0	15	74	926	6,465	1,243	3,726	0	0	2,184	10,265
3-Sep	*	*	0	0	39	174	972	6,806	0	0	0	0	1,011	6,980
5-Sep	*	*	0	0	41	185	618	4,323	0	0	0	0	659	4,508

-Continued-

Appendix G.3. (page 4 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
DUCK BAY SECTION (con't)														
6-Sep	*	*	0	0	14	71	572	4,007	1,022	2,760	0	0	1,608	6,838
11-Sep	*	*	3	65	75	370	33	281	8,974	26,844	3	22	9,088	27,582
Total	105	421	61	1,020	27,446	141,280	37,356	267,637	2,221,600	6,552,093	8,327	63,718	2,294,790	7,025,748
Avg.Wt.				17		5		7		3		8		
KITOI BAY SECTION														
9-Jun	4	4	0	0	91	455	0	0	0	0	4,831	34,215	4,922	34,670
10-Jun	*	*	0	0	4	19	0	0	0	0	895	6,893	899	6,912
11-Jun	*	*	1	25	557	2,427	0	0	0	0	4,367	31,228	4,925	33,680
12-Jun	*	*	8	57	3	18	0	0	0	0	3,859	26,999	3,870	27,074
13-Jun	*	*	2	33	32	129	0	0	0	0	6,300	41,996	6,334	42,158
14-Jun	*	*	21	138	165	832	0	0	0	0	4,564	33,133	4,750	34,103
15-Jun	*	*	1	10	1	3	0	0	0	0	2,190	13,138	2,192	13,151
18-Jun	*	*	13	163	208	1,000	0	0	3	7	5,784	40,487	6,008	41,657
19-Jun	*	*	12	108	5	26	0	0	0	0	4,237	29,660	4,254	29,794
20-Jun	*	*	0	0	6	28	0	0	0	0	5,518	38,627	5,524	38,655
21-Jun	*	*	0	0	26	125	0	0	0	0	10,190	71,335	10,216	71,460
22-Jun	4	4	1	19	29	155	0	0	0	0	10,996	85,072	11,026	85,246
23-Jun	4	4	1	7	88	414	1	7	0	0	6,931	52,858	7,021	53,286
24-Jun	*	*	3	15	59	240	0	0	0	0	6,000	42,010	6,062	42,265
25-Jun	4	5	3	24	31	154	0	0	0	0	8,412	59,719	8,446	59,897
27-Jul	*	*	0	0	313	1,745	0	0	173	523	70	560	556	2,828
28-Jul	4	4	0	0	1,637	8,411	0	0	1,267	2,919	511	4,095	3,415	15,425
29-Jul	*	*	1	21	717	3,680	74	466	1,650	4,949	205	1,454	2,647	10,570
30-Jul	*	*	2	24	1,706	6,763	392	2,169	4,722	11,942	264	1,430	7,086	22,328
1-Aug	*	*	0	0	594	2,843	12	75	4,546	13,414	202	1,438	5,354	17,770
2-Aug	*	*	0	0	355	1,846	67	411	6,534	19,584	144	1,003	7,100	22,844
3-Aug	*	*	0	0	75	407	13	80	3,215	8,594	9	51	3,312	9,132
4-Aug	*	4	0	0	322	1,646	0	0	12,791	35,661	76	520	13,189	37,827
5-Aug	7	8	0	0	636	3,581	21	140	42,521	126,900	202	1,494	43,380	132,115
6-Aug	10	10	9	56	547	2,819	266	2,227	45,369	124,792	642	6,226	46,833	136,120
7-Aug	8	8	0	0	60	306	9	50	8,548	26,080	7	40	8,624	26,476
8-Aug	5	6	0	0	225	1,120	52	360	20,524	45,639	55	343	20,856	47,462
10-Aug	6	6	0	0	219	1,198	157	1,194	23,770	72,207	56	384	24,202	74,983
11-Aug	7	7	0	0	175	895	135	911	22,110	74,747	50	305	22,470	76,858

-Continued-

Appendix G.3. (page 5 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
KITOI BAY SECTION (con't)															
12-Aug	7	9	2	10	331	1,811	343	2,119	34,132	111,470	13	87	34,821	115,497	
13-Aug	11	12	1	23	322	1,656	150	985	34,063	105,461	94	644	34,630	108,769	
14-Aug	*	*	0	0	10	123	6	87	2,145	15,656	1	6	2,162	15,872	
15-Aug	*	*	0	0	104	503	36	288	15,211	48,289	14	81	15,365	49,161	
6-Sep	*	*	0	0	52	250	524	4,089	8,507	28,073	0	0	9,083	32,412	
7-Sep	*	*	3	48	213	1,068	2,470	18,507	1,800	5,000	0	0	4,486	24,623	
8-Sep	*	*	0	0	84	380	1,614	13,726	0	0	0	0	1,698	14,106	
10-Sep	*	*	0	0	14	60	343	2,712	326	978	0	0	683	3,750	
13-Sep	*	*	0	0	0	0	0	190	1,523	0	0	0	0	190	1,523
14-Sep	*	*	0	0	0	0	0	704	4,733	861	2,423	0	0	1,565	7,156
15-Sep	*	*	0	0	0	0	0	1,202	8,591	1,939	5,816	0	0	3,141	14,407
16-Sep	*	*	0	0	0	0	0	628	4,402	0	0	0	0	628	4,402
23-Sep	*	*	0	0	0	0	0	150	1,036	0	0	0	0	150	1,036
Total	54	142	84	781	10,016	49,136	9,559	70,888	296,727	891,124	87,689	627,531	404,075	1,639,460	
Avg.Wt.				9		5		7		3		7			
KITOI HATCHERY SALMON HARVEST															
Total	126	967	183	2,266	63,342	317,801	116,513	855,946	4,057,093	11,834,457	140,896	1,016,190	4,378,027	14,026,660	
Avg.Wt.				12		5		7		3		7			

* Confidential Information.

Appendix H.1. Narrative account of the Spiridon Lake sockeye salmon fishery in the Kodiak Management Area, 1999.

INTRODUCTION

Within the Northwest Kodiak District, sockeye salmon fry have been stocked into Spiridon Lake since 1990 (Appendix A.3). The return of adult salmon to the lake is prevented by a large set of barrier falls in the river. There is no suitable spawning habitat for sockeye salmon in Telrod Cove (the cove into which Spiridon Lake drains). The Spiridon Lake salmon stocking is a put-and-take project, with the intent of harvesting returning sockeye salmon in the existing fisheries along Kodiak's westside (Schrof et al. 2000). The Spiridon Lake Sockeye Salmon Management Plan (5AAC 18.366) was adopted by the Board of Fisheries in January of 1993, and slight modifications were made by the BOF in 1995. It provides for the full utilization of sockeye salmon returns from the Spiridon Lake enhancement project, while providing adequate protection to local wild stocks of Spiridon Bay. This plan provides for a terminal harvest area and a strategy to harvest sockeye salmon that may escape the fishery and return to the river mouth (ADF&G 1999).

1999 Spiridon Bound Sockeye Salmon Fisheries

A significant return of approximately 214,000 sockeye salmon was expected in 1999 (Table 6.). Sockeye salmon stocked into Spiridon Lake were from the late-run Upper Station (Olga Lakes) and Saltery Lake stocks (ADF&G 1999); the timing of the return was to coincide with the pink salmon and late sockeye salmon fisheries in the Northwest Kodiak District. Peak harvest timing was expected to be mid August, based on past timing. It was hoped the majority of the returning sockeye salmon would be harvested in the Central Section of the Northwest Kodiak District during the planned general pink salmon fisheries occurring along Kodiak's westside, or during fisheries targeting late run Karluk sockeye salmon. If there was a harvestable surplus within the terminal harvest area, fishing periods were to be 24 hours per day, coordinated when possible with openings in the Northwest Kodiak District.

On June 26 the Spiridon Lake THA in Telrod Cove was opened until further notice to allow harvest of enhancement project sockeye salmon, and remained open until September 12. From ADF&G Fish Ticket reports, 62 seiners were shown to have harvested 149 chinook, 190,774 sockeye, 150 coho, 59,005 pinks, and 11,701 chum salmon from the Spiridon Terminal Harvest Area (Appendix H.2.). Additional catches may have been delivered and reported in other areas. Also, many seine and gillnet fishers operated along the westside of Kodiak in traditional fishing areas during fisheries directed at westside pink and chum, and late-run Karluk sockeye salmon, caught some Spiridon bound sockeye salmon. An analysis of commercial catch samples from westside Kodiak fisheries was conducted to determine the total contribution of Spiridon enhancement project sockeye salmon (P. Nelson, Alaska Department of Fish and Game, Kodiak, personal communication). The total estimated 1999 harvest of Spiridon enhancement project sockeye salmon was 465,302 with approximately 41% (190,774) harvested within the terminal harvest area and 59% (274,528) harvested in the Southwest Afognak Section and NW Kodiak District (Appendix H.3.). These are considered minimum estimates.

Appendix H.2. Daily salmon harvest, by species and gear type, for the Spiridon Lake Terminal Harvest Area, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
PURSE SEINE														
26-Jun	10	10	22	280	12,051	66,144	0	0	2	6	141	1,050	12,216	67,480
27-Jun	9	9	4	68	995	5,998	0	0	0	0	8	81	1,007	6,147
28-Jun	*	*	4	71	193	969	0	0	0	0	2	17	199	1,057
29-Jun	*	*	0	0	508	3,554	0	0	0	0	6	53	514	3,607
30-Jun	12	12	8	169	2,339	13,195	0	0	4	12	27	305	2,378	13,681
1-Jul	8	8	0	0	1,506	9,024	0	0	4	12	6	72	1,516	9,108
2-Jul	8	8	3	70	2,451	14,020	0	0	9	44	16	175	2,479	14,309
3-Jul	7	8	0	0	2,284	13,535	0	0	4	11	14	144	2,302	13,690
4-Jul	7	7	10	196	2,515	14,684	1	8	14	36	14	109	2,554	15,033
5-Jul	7	7	0	0	2,866	15,663	0	0	16	36	5	60	2,887	15,759
6-Jul	12	13	6	81	3,662	19,807	0	0	63	236	49	428	3,780	20,552
7-Jul	12	12	13	161	1,335	7,511	0	0	82	214	10	83	1,440	7,969
8-Jul	14	14	8	111	1,871	10,798	0	0	91	263	36	387	2,006	11,559
9-Jul	9	9	9	224	2,544	12,830	0	0	118	338	124	1,049	2,795	14,441
10-Jul	13	13	5	74	1,219	6,430	0	0	87	256	58	426	1,369	7,186
11-Jul	5	5	2	14	442	2,433	0	0	27	73	10	94	481	2,614
12-Jul	5	5	0	0	2,512	15,016	0	0	70	199	34	394	2,616	15,609
13-Jul	9	9	7	158	2,794	16,004	0	0	571	1,590	444	4,649	3,816	22,401
14-Jul	11	11	11	258	4,578	26,122	5	38	308	896	125	1,129	5,027	28,443
15-Jul	5	5	0	0	1,040	5,967	0	0	114	305	9	84	1,163	6,356
16-Jul	9	9	1	35	3,034	17,884	0	0	296	808	84	860	3,415	19,587
17-Jul	13	13	1	22	3,129	17,059	2	11	2,492	7,038	347	2,713	5,971	26,843
18-Jul	10	10	1	31	6,118	34,732	0	0	448	1,238	98	912	6,665	36,913
19-Jul	17	17	1	29	3,652	20,131	0	0	359	1,005	67	646	4,079	21,811
20-Jul	18	18	2	50	8,736	45,468	0	0	1,407	3,987	219	2,051	10,364	51,556
21-Jul	16	16	5	114	3,580	19,086	1	6	1,511	4,312	183	1,568	5,280	25,086
22-Jul	11	11	5	77	455	2,251	0	0	338	1,129	58	475	856	3,932
23-Jul	7	7	0	0	729	4,040	0	0	857	2,249	181	1,421	1,767	7,710

-Continued-

Appendix H.2. (Page 2 of 4)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
PURSE SEINE (Cont.)														
24-Jul	11	11	7	108	1,985	10,686	0	0	2,189	7,594	457	3,364	4,638	21,752
25-Jul	10	10	0	0	827	4,357	0	0	410	1,203	146	1,215	1,383	6,775
26-Jul	10	10	2	33	4,016	21,769	0	0	1,279	3,379	321	2,543	5,618	27,724
27-Jul	13	13	0	0	6,608	35,546	1	6	3,561	10,681	533	4,827	10,703	51,060
28-Jul	12	12	3	75	1,921	10,191	0	0	1,979	5,894	809	6,917	4,712	23,077
29-Jul	15	15	2	36	2,072	10,357	2	13	2,355	7,014	1,060	10,209	5,491	27,629
30-Jul	12	12	0	0	1,831	9,494	0	0	1,420	4,377	2,132	18,679	5,383	32,550
31-Jul	13	14	0	0	2,049	10,544	0	0	1,174	3,631	324	2,920	3,547	17,095
1-Aug	17	17	1	21	3,720	19,472	0	0	1,647	4,946	431	4,148	5,799	28,587
2-Aug	18	18	0	0	2,946	15,555	0	0	998	3,064	246	2,408	4,190	21,027
3-Aug	19	19	1	30	7,313	37,474	2	12	4,923	14,060	370	2,743	12,609	54,319
4-Aug	18	19	2	39	2,095	11,117	0	0	2,141	6,883	1,149	12,299	5,387	30,338
5-Aug	*	*	0	0	111	564	0	0	111	395	6	53	228	1,012
7-Aug	*	*	0	0	99	528	0	0	153	458	23	247	275	1,233
8-Aug	9	9	2	60	1,212	6,346	0	0	942	3,080	264	2,340	2,420	11,826
9-Aug	13	13	0	0	6,999	38,426	0	0	2,603	8,604	103	783	9,705	47,813
10-Aug	17	17	0	0	6,728	37,310	9	62	3,383	10,294	153	1,366	10,273	49,032
11-Aug	15	18	1	45	10,663	58,361	10	75	4,107	12,317	219	1,970	15,000	72,768
12-Aug	15	15	0	0	11,953	62,913	6	47	2,514	7,633	178	1,727	14,651	72,320
13-Aug	12	12	0	0	3,210	17,906	2	17	1,463	4,506	254	2,066	4,929	24,495
14-Aug	5	5	0	0	962	5,288	0	0	623	1,917	25	228	1,610	7,433
15-Aug	5	5	0	0	516	2,898	0	0	335	925	9	83	860	3,906
16-Aug	6	6	0	0	478	2,527	0	0	289	894	4	42	771	3,463
17-Aug	*	*	0	0	595	3,185	0	0	211	689	1	4	807	3,878
18-Aug	5	5	0	0	1,759	9,086	5	35	436	1,674	7	46	2,207	10,841
19-Aug	5	5	0	0	2,096	11,227	1	5	371	1,114	8	75	2,476	12,421
20-Aug	5	5	0	0	4,773	25,684	8	96	2,004	6,040	7	74	6,792	31,894
21-Aug	6	6	0	0	1,628	8,581	1	9	358	1,114	2	18	1,989	9,722

-Continued-

Appendix H.2. (Page 3 of 4)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
PURSE SEINE (Cont.)														
22-Aug	6	6	0	0	1,926	10,248	9	66	1,120	3,375	6	51	3,061	13,740
23-Aug	5	5	0	0	999	5,289	6	44	173	524	0	0	1,178	5,857
24-Aug	6	6	0	0	1,141	6,155	3	27	391	1,271	3	22	1,538	7,475
25-Aug	5	5	0	0	3,258	16,295	8	57	593	1,607	6	51	3,865	18,010
26-Aug	*	*	0	0	2,383	11,920	2	16	289	782	1	8	2,675	12,726
27-Aug	*	*	0	0	363	1,750	3	25	92	281	0	0	458	2,056
28-Aug	5	5	0	0	2,193	10,878	27	190	818	2,244	0	0	3,038	13,312
29-Aug	*	*	0	0	390	1,888	8	56	140	420	0	0	538	2,364
30-Aug	*	*	0	0	1,060	5,302	5	41	310	838	0	0	1,375	6,181
31-Aug	*	*	0	0	175	875	2	17	135	366	0	0	312	1,258
1-Sep	*	*	0	0	545	2,533	3	22	133	361	0	0	681	2,916
2-Sep	*	*	0	0	639	3,135	0	0	146	394	0	0	785	3,529
3-Sep	*	*	0	0	408	2,040	7	49	113	305	0	0	528	2,394
4-Sep	*	*	0	0	810	4,245	0	0	0	0	0	0	810	4,245
5-Sep	*	*	0	0	1	6	11	75	47	128	0	0	59	209
8-Sep	*	*	0	0	155	818	0	0	0	0	0	0	155	818
Total	61	614	149	2,740	186,749	1,011,124	150	1,125	57,771	173,569	11,632	104,961	256,451	1,293,519
Avg.Wt.				18		5		8		3		9		
BEACH SEINE														
19-Jul	*	*	0	0	40	225	0	0	2	5	0	0	42	230
20-Jul	*	*	0	0	227	1,276	0	0	12	35	6	64	245	1,375
24-Jul	*	*	0	0	17	103	0	0	21	63	0	0	38	166
25-Jul	*	*	0	0	32	187	0	0	15	43	2	29	49	259
26-Jul	*	*	0	0	80	431	0	0	18	53	0	0	98	484
27-Jul	*	*	0	0	163	945	0	0	33	95	0	0	196	1,040
28-Jul	*	*	0	0	2	10	0	0	2	6	1	9	5	25
29-Jul	*	*	0	0	45	276	0	0	21	63	23	251	89	590
30-Jul	*	*	0	0	165	864	0	0	19	58	1	13	185	935

-Continued-

Appendix H.2. (Page 4 of 4)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
BEACH SEINE (Cont.)														
31-Jul	*	*	0	0	79	431	0	0	14	41	0	0	93	472
1-Aug	*	*	0	0	141	746	0	0	38	119	3	27	182	892
2-Aug	*	*	0	0	73	377	0	0	36	110	2	18	111	505
3-Aug	*	*	0	0	160	858	0	0	43	131	0	0	203	989
6-Aug	*	*	0	0	11	54	0	0	90	259	2	25	103	338
7-Aug	*	*	0	0	55	296	0	0	95	293	10	111	160	700
8-Aug	*	*	0	0	157	826	0	0	112	337	2	19	271	1,182
9-Aug	*	*	0	0	109	599	0	0	30	101	0	0	139	700
10-Aug	*	*	0	0	363	2,004	0	0	121	348	0	0	484	2,352
11-Aug	*	*	0	0	130	688	0	0	9	27	0	0	139	715
12-Aug	*	*	0	0	456	2,380	0	0	95	287	9	102	560	2,769
13-Aug	*	*	0	0	20	102	0	0	12	35	0	0	32	137
14-Aug	*	*	0	0	150	686	0	0	100	301	6	44	256	1,031
15-Aug	*	*	0	0	34	147	0	0	9	27	0	0	43	174
16-Aug	*	*	0	0	77	409	0	0	38	115	1	9	116	533
17-Aug	*	*	0	0	11	56	0	0	1	4	0	0	12	60
19-Aug	*	*	0	0	210	1,119	0	0	40	125	0	0	250	1,244
22-Aug	*	*	0	0	190	1,037	0	0	40	118	1	12	231	1,167
23-Aug	*	*	0	0	182	944	0	0	71	214	0	0	253	1,158
24-Aug	*	*	0	0	320	1,609	0	0	90	313	0	0	410	1,922
25-Aug	*	*	0	0	326	1,630	0	0	7	20	0	0	333	1,650
Total	*	30	0	0	4,025	21,315	0	0	1,234	3,746	69	733	5,328	25,794
Avg.Wt.				0		5		0		3		11		
ALL GEAR														
Total	62	644	149	2,740	190,774	1,032,439	150	1,125	59,005	177,315	11,701	105,694	261,779	1,319,313
Avg.Wt.				18		5		8		3		9		

Appendix H.3. Estimated commercial harvest of Spiridon Lake enhancement project sockeye salmon, by area, in the Kodiak Management Area, 1999.

Date	Southwest Afognak Section and NW Kodiak District ^a	Telrod Cove ^b	WESTSIDE TOTAL
Total	274,528	190,774	465,302
Percent	59%	41%	100%

^a Statistical Area 251-10 and 251-20, 253-11 through 253-35, and 254-10 through 254-40.

^b Statistical Area 254-50.

Appendix I.1. Narrative account of the Eastside Kodiak salmon fishery in the Kodiak Management Area, 1999.

INTRODUCTION

The streams of the eastside of Kodiak Island support sockeye, pink, chum, and coho salmon runs. Plus, mixed stocks of salmon, moving toward their natal streams after feeding in the Gulf of Alaska and North Pacific, pass along the east side of the Kodiak Island Archipelago. Salmon fisheries along Kodiak Island's east side are likely as old as human habitation. Many native villages and the first Russian settlements were located on the eastside of Kodiak Island, and both the City of Kodiak and the village of Old Harbor are still there. Though no regulatory management plan was in effect, the commercial fisheries of the area followed a framework developed by fishery managers beginning in the early 1970s, with this harvest strategy remaining basically unchanged after the mid 1980s. In November of 1995 the Board of Fisheries put the Eastside Kodiak Salmon Management Plan (SAAC 18.367) into regulation, governing the commercial salmon fisheries of the Eastside Kodiak and Northeast Kodiak Districts. The goal of this plan is to achieve escapement and harvest objectives for sockeye salmon, pink salmon, chum salmon, and coho salmon returning to spawning systems located in the Northeast Kodiak and Eastside Kodiak Districts (Appendices A.4 and A.5). This plan details the key species and, targeted stocks which are managed in each of these sections throughout the fishing season (ADF&G 1999). This plan was first in effect during the 1996 season.

For the Northeast Kodiak District, all sections are to remain closed to commercial salmon fishing until July 6, when the general pink salmon fishery begins for most of the KMA. Fishing opportunities through August 24 are to be based on the abundance of local and mixed pink and chum salmon, except that in the Buskin River Section from July 6 to 10 fishing may be allowed based on local pink salmon and Buskin River (stream # 259-211) sockeye salmon. From August 25 to September 5, fishing periods are based on the abundance of local pink salmon and coho salmon, and after September 5, on local coho salmon.

For the Eastside Kodiak District, in the southern sections, the Seven Rivers, Two Headed, and Sitkalidak Sections, not more than two 33 hour fishing periods may occur from June 14 to July 5, to harvest local and mixed sockeye salmon. In the Inner and Outer Ugak Bay Sections not more than two 33 hour fishing periods may occur from June 14 to June 22, to harvest local and mixed sockeye salmon, then from June 23 to July 5 fishing opportunities are to be based on sockeye salmon bound to either the Pasagshak River (stream # 259-411) in Outer Ugak or the Saltery River (stream # 259-415) in Inner Ugak. From July 6 through August 24, fishing opportunities in all sections are to be based on the abundance of local and mixed pink and chum salmon, except that in Inner Ugak Saltery sockeye salmon must be considered through July 10. From August 25 to September 5, fishing periods are based on the abundance of local pink salmon, chum salmon, and coho salmon, and after September 5 on local coho salmon.

As mentioned, within the Buskin River Section of the Northeast Kodiak District, the Buskin Lake system produces a significant run of sockeye salmon. Within the Inner Ugak Section of the Eastside

-Continued-

Kodiak District, the Saltery Lake system also produces a significant run of sockeye salmon. Both these systems are weired for accurate escapement enumeration (Brodie 1999). Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Pasagshak, Miam (stream # 259-412), and Ocean Beach (stream # 258-401).

1999 Eastside Kodiak Fisheries

Commercial salmon fishery landings from Eastside Kodiak management units in 1999 began on July 16, with the last landing occurring on September 14 (Appendix I.2.) The total commercial harvest from Eastside Kodiak management units (Northeast and Eastside Kodiak Districts) was 7,727,367 salmon, including 1,611 chinook salmon, 217,409 sockeye salmon, 29,302 coho salmon, 1,444,748 pink salmon, and 195,023 chum salmon from 774 landings by 106 permit holders.

Appendix I.2. Daily commercial salmon harvest, by species, for Eastside Kodiak Management Plan units, 1999.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHEAST KODIAK DISTRICT														
16-Jul	*	*	0	0	57	230	0	0	90	269	172	1,034	319	1,533
20-Jul	*	*	0	0	102	559	0	0	360	973	167	1,600	629	3,132
21-Jul	*	*	5	19	62	309	31	145	680	1,362	429	3,441	1,207	5,276
23-Jul	10	12	141	1,345	2,345	10,753	1,944	13,033	18,272	48,624	5,173	44,030	27,875	117,785
27-Jul	*	*	0	0	66	314	31	203	419	1,200	175	1,392	691	3,109
28-Jul	*	*	0	0	0	0	0	0	421	1,263	0	0	421	1,263
29-Jul	*	*	8	130	71	437	360	2,289	3,026	8,735	547	5,358	4,012	16,949
30-Jul	*	*	1	17	32	129	65	589	418	1,257	120	793	636	2,785
3-Aug	*	*	0	0	1	3	0	0	144	503	2	14	147	520
5-Aug	5	5	0	0	359	1,832	66	549	8,810	27,700	688	5,288	9,923	35,369
11-Aug	*	*	0	0	0	0	0	0	5,960	20,861	0	0	5,960	20,861
12-Aug	*	*	0	0	0	0	0	0	2,572	9,002	26	192	2,598	9,194
14-Aug	*	*	0	0	0	0	0	0	9,015	27,046	39	364	9,054	27,410
16-Aug	*	*	18	259	10	55	38	268	46,152	134,578	1,139	8,038	47,357	143,198
17-Aug	5	5	1	13	53	268	32	192	39,639	119,497	787	5,768	40,512	125,738
18-Aug	6	7	2	93	2	8	25	160	26,626	75,857	1,384	10,118	28,039	86,236
19-Aug	*	*	0	0	3	12	10	69	2,391	7,173	145	1,021	2,549	8,275
20-Aug	*	*	4	87	39	175	49	348	9,477	28,432	176	1,460	9,745	30,502
21-Aug	*	*	9	189	17	75	24	177	10,355	32,767	469	3,849	10,874	37,057
22-Aug	*	*	0	0	1	4	6	40	5,516	16,699	152	1,204	5,675	17,947
23-Aug	*	*	1	15	1	4	6	50	1,065	3,195	51	362	1,124	3,626
24-Aug	*	*	0	0	1	4	7	54	4,319	13,391	868	5,257	5,195	18,706
25-Aug	*	*	0	0	0	0	6	42	2,339	8,943	34	324	2,379	9,309
26-Aug	*	*	6	160	0	0	51	335	23,648	71,065	1,591	11,502	25,296	83,062
27-Aug	*	*	0	0	2	7	39	267	10,220	30,816	203	1,602	10,464	32,692
28-Aug	*	*	4	69	0	0	16	130	739	2,364	47	359	806	2,922
29-Aug	*	*	0	0	0	0	20	157	2,440	7,447	179	1,364	2,639	8,968
7-Sep	*	*	0	0	0	0	40	360	50	150	0	0	90	510

-Continued-

Appendix I.2. (Page 2 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHEAST KODIAK DISTRICT (Cont.)														
10-Sep	*	*	0	0	0	0	115	965	591	1,773	314	2,339	1,020	5,077
Total	32	72	200	2,396	3,224	15,178	2,981	20,422	235,754	702,942	15,077	118,073	257,236	859,011
Avg.Wt.			12		5		7		3		8			
EASTSIDE KODIAK DISTRICT														
22-Jun	21	21	72	921	9,360	48,273	0	0	78	190	2,062	17,253	11,572	66,037
23-Jun	8	8	27	300	3,149	16,056	0	0	35	131	948	7,674	4,159	24,161
6-Jul	10	10	17	204	7,260	36,408	33	183	1,723	5,186	834	6,026	9,867	48,007
7-Jul	18	18	118	1,221	19,121	97,611	222	1,291	6,788	18,727	2,981	26,502	29,230	145,352
8-Jul	25	28	110	1,502	30,294	161,616	146	880	7,360	19,117	2,372	19,184	40,282	202,299
9-Jul	18	18	48	550	20,132	121,849	445	2,815	3,611	10,619	1,969	17,039	26,205	152,872
13-Jul	27	27	107	725	21,162	115,230	1,027	6,306	10,897	32,401	5,623	42,890	38,816	197,552
14-Jul	41	41	126	1,143	21,704	110,616	1,406	8,873	9,297	27,805	5,871	46,018	38,404	194,455
15-Jul	27	28	65	694	11,924	63,264	531	3,251	3,863	11,514	2,488	21,077	18,871	99,800
16-Jul	29	29	67	828	8,338	43,209	284	2,027	2,384	7,591	1,198	10,974	12,271	64,629
20-Jul	16	17	25	272	11,595	59,520	672	3,942	2,170	6,508	1,704	15,716	16,166	85,958
21-Jul	10	10	27	433	2,919	15,430	203	1,181	1,637	5,682	1,417	11,419	6,203	34,145
22-Jul	12	14	138	1,228	7,147	36,866	2,206	14,845	9,192	28,292	4,441	41,352	23,124	122,583
23-Jul	18	18	160	1,087	7,117	37,087	1,629	11,335	5,163	15,198	3,157	27,219	17,226	91,920
27-Jul	10	10	31	392	2,814	14,946	805	5,492	6,487	21,796	2,593	23,401	12,730	66,027
28-Jul	15	15	115	919	6,102	31,092	4,062	24,431	19,071	63,740	5,481	44,795	34,831	164,977
29-Jul	15	15	59	468	4,173	20,672	2,174	12,895	14,131	42,970	4,212	33,566	24,749	110,571
30-Jul	14	14	20	358	3,603	18,419	320	2,209	9,544	31,431	4,357	34,783	17,844	87,200
3-Aug	*	*	3	47	408	2,135	84	505	4,615	15,480	484	3,701	5,594	21,868
4-Aug	7	7	1	25	1,092	5,512	230	1,415	24,619	83,251	6,005	35,889	31,947	126,092
5-Aug	7	7	1	29	588	2,947	312	2,700	7,830	22,263	2,942	25,042	11,673	52,981
6-Aug	10	10	4	63	1,102	6,230	1,023	7,168	18,796	55,152	3,044	27,732	23,969	96,345
7-Aug	14	14	26	402	568	2,888	332	2,164	16,808	57,736	6,935	60,965	24,669	124,155
11-Aug	12	12	3	77	343	1,652	53	429	25,537	86,590	10,249	84,771	36,185	173,519
12-Aug	15	15	4	79	627	3,601	219	1,767	42,167	153,955	7,756	74,015	50,773	233,417

-Continued-

Appendix I.2. (Page 3 of 3)

Date	Permits	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon		
		Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
EASTSIDE KODIAK DISTRICT (Cont.)														
13-Aug	13	13	4	110	572	2,639	91	783	41,447	134,830	4,779	39,852	46,893	178,214
14-Aug	10	10	7	161	699	3,743	257	2,086	30,633	112,848	7,544	69,483	39,140	188,321
15-Aug	17	18	2	47	945	4,869	220	1,636	46,440	160,903	15,386	119,192	62,993	286,647
16-Aug	14	15	6	82	557	3,038	120	901	48,312	155,618	5,065	42,491	54,060	202,130
17-Aug	15	15	2	33	597	3,035	160	1,214	49,915	151,841	3,750	33,923	54,424	190,046
18-Aug	15	15	5	101	784	3,989	133	1,019	42,938	137,526	3,659	31,699	47,519	174,334
19-Aug	16	16	2	69	395	2,600	198	1,213	46,307	150,166	8,939	70,682	55,841	224,730
20-Aug	12	13	0	0	710	3,955	43	340	48,350	149,237	1,649	16,210	50,752	169,742
21-Aug	10	10	0	0	423	2,129	81	670	27,660	94,047	676	6,767	28,840	103,613
22-Aug	11	12	0	0	142	978	66	523	36,523	121,540	1,467	10,994	38,198	134,035
23-Aug	13	15	0	0	593	3,557	192	1,448	64,649	211,523	3,616	26,497	69,050	243,025
24-Aug	14	17	0	0	272	1,359	82	631	48,593	160,236	5,802	48,962	54,749	211,188
25-Aug	16	19	1	29	427	2,002	234	1,752	57,859	185,354	7,345	60,540	65,866	249,677
26-Aug	14	17	3	63	821	3,917	519	4,003	94,333	307,873	3,237	27,121	98,913	342,977
27-Aug	13	14	3	21	603	3,185	395	3,051	56,923	196,967	4,800	37,360	62,724	240,584
28-Aug	8	11	0	0	124	627	223	1,313	31,345	106,647	620	6,238	32,312	114,825
29-Aug	8	8	0	0	176	904	140	1,112	19,956	76,016	1,349	10,932	21,621	88,964
30-Aug	10	10	0	0	326	1,652	285	2,073	23,771	93,996	2,612	19,825	26,994	117,546
31-Aug	9	10	0	0	403	1,968	640	4,721	42,380	149,268	1,617	13,505	45,040	169,462
1-Sep	9	9	0	0	202	1,014	381	2,667	25,147	100,552	1,250	10,001	26,980	114,234
2-Sep	9	9	0	0	218	1,125	655	5,291	22,176	87,994	680	6,417	23,729	100,827
3-Sep	10	11	1	20	889	4,716	748	5,488	29,826	117,651	792	6,358	32,256	134,233
4-Sep	3	3	0	0	334	1,691	335	2,465	6,909	23,511	459	3,298	8,037	30,965
6-Sep	*	*	1	12	91	490	331	2,809	5,178	16,607	301	2,334	5,902	22,252
9-Sep	*	*	0	0	126	689	502	4,145	4,826	15,684	813	6,222	6,267	26,740
14-Sep	*	*	0	0	114	514	872	7,408	2,795	8,962	616	4,633	4,397	21,517
Total	96	702	1,411	14,715	214,185	1,133,514	26,321	178,866	1,208,994	4,050,722	179,946	1,490,539	1,630,857	6,868,356
Avg.Wt.				10		5		7		3		8		
EASTSIDE KODIAK MANAGEMENT PLAN UNITS														
Total	106	774	1,611	17,111	217,409	1,148,692	29,302	199,288	1,444,748	4,753,664	195,023	1,608,612	1,888,093	7,727,367
Avg.Wt.				11		5		7		3		8		

INTRODUCTION

The salmon fisheries of the north end of the Kodiak Archipelago (Appendix A.1) have unique characteristics. In Perenosa Bay several systems have been the site of salmon enhancement and rehabilitation work for many years. Sockeye salmon were stocked into the Pauls and Laura Lake system (stream # 251-831) and the Portage Lake system (stream # 251-825) beginning in the 1950s (Schrof et al. 2000). Fish passes were built at both systems to allow salmon to move further up stream, increasing spawning area and subsequent returns. The Little Waterfall system (stream # 251-822) has been the site of extensive recent enhancement work, with fish pass remodeling and stocking, with the intent of increasing pink, sockeye, and coho salmon returns (Honnold 1999). Hidden Lake (stream # 251-406) in the Northwest Afognak Section has also been the site of coho and sockeye salmon stocking. Much of Shuyak Island is a State Park and the myriad deep bays, lagoons, small streams and lakes support early, strong coho salmon returns. Shuyak fisheries have been important to smaller local fishing operations, though there has been more interest in these fisheries in recent years. State Park personnel operate small weirs on two systems to enumerate coho salmon escapement. ADF&G personnel operate a weir on the Pauls Lake system. Aerial surveys are flown by ADF&G biologists to monitor escapement into area streams. However, dense forest cover limits upstream aerial surveys. Escapement counts through the Pauls Bay and Shuyak weirs are used as indicators of escapement to the small salmon streams of the North Afognak/Shuyak area.

In 1990 the State of Alaska Board of Fisheries (BOF) passed the North Shelikof Strait Sockeye Salmon Management Plan (5 AAC 18.363). This management plan governs the harvest of sockeye salmon in sections bordering the north Shelikof Strait, including the Northwest Afognak and Shuyak Island Sections. The plan is only in effect from July 6 to 25, with the specific intent of limiting the harvest of migrating sockeye which may be bound for Cook Inlet (see Appendix F for a description of the North Shelikof Strait Sockeye Salmon Management Plan).

In November of 1995, the BOF put into regulation the North Afognak/Shuyak Island Salmon Management Plan (5AAC 18.368) governing all commercial salmon fisheries on the north end of the Kodiak Archipelago. Though no comprehensive regulatory management plan was in effect prior to that date, the commercial fisheries of the area had followed a framework developed by fishery managers beginning in the early 1970s, with the harvest strategy remaining basically unchanged after 1987. The goal of this plan is to achieve escapement and harvest objectives for sockeye, pink, and coho salmon returning to spawning systems located in the Northeast Afognak, Perenosa Bay, Shuyak Island, and Northwest Afognak Sections of the Afognak District (Appendix A.1). This plan details the key species and targeted stocks that are managed in each of these sections throughout the fishing season (ADF&G 1999). This plan was first in effect during the 1996 season.

-Continued-

For the Northeast Afognak and Shuyak Island Sections, commercial salmon fishing is to remain closed until July 6, when the general pink salmon fishery begins for most of the KMA. Fishing opportunities in the Northeast Afognak Section are to be based on the abundance of local and mixed pink salmon through August 24, then management switches toward local pink and coho salmon through September 5, then to local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section are to be based on the abundance of local and mixed pink salmon through August 20, then are based on local coho salmon through the end of the season. From July 6 to 25 the Shuyak Island Section is also managed in accordance with the North Shelikof management plan.

For the Perenosa Bay Section, from June 9 to July 5 fishing opportunities are to be based on sockeye salmon returning to the Pauls Bay and Portage Lake systems. Additional fishing time may be allowed to harvest enhanced sockeye salmon bound for the Little Waterfall system, but only inside the defined Waterfall Bay Terminal Harvest Area (all waters within 1 nautical mile of Little Waterfall Creek, stream # 251-822; 5 AAC 18.376). From July 6 to 20, management for the Perenosa Bay Section is based on local and mixed pink salmon and Pauls and Portage sockeye salmon. From July 21 to August 20, management is based on the abundance of local and mixed pink salmon, from August 21 to September 5 on local pink and coho salmon, and after September 5 fishing opportunities are to be based on the abundance of local coho salmon.

Finally, for the Northwest Afognak Section, from June 9 to July 5 fishing opportunities are to be based on sockeye salmon bound to the minor systems at Thorsheim (stream # 251-302) and Long Lagoon (stream # 251-301), though there may be no more than two 33-hour fishing periods. Additional fishing time may be allowed to harvest enhanced sockeye salmon bound for the Hidden Lake system, but only in the defined Foul Bay Terminal Harvest Area (all waters of Foul Bay east of 152° 47.20' West Longitude up to the mouth and estuary of Hidden Creek, stream # 251-406; 5 AAC 18.375). From July 6 to August 24 management is to be based on the abundance of local and mixed pink salmon, and after August 24 fishing periods are based on the abundance of local coho salmon. Additional fishing time may be allowed to harvest enhancement project coho salmon bound for the Hidden Lake system, but again only in the Foul Bay Terminal Harvest Area. From July 6 to 25 the Northwest Afognak Section is also managed in accordance with the North Shelikof management plan.

As mentioned, within the Perenosa Section the Pauls Lake and Portage Lake systems produce significant runs of sockeye salmon, and the Little Waterfall system is stocked with sockeye salmon. The Pauls Lake system is weired for accurate escapement enumeration. Within the Northwest Afognak Section, the Thorsheim and Long Lagoon systems also produce minor runs of sockeye salmon, and the Hidden Lake system is stocked with sockeye salmon.

-Continued-

1999 North Afognak/Shuyak Island Fisheries

In 1999, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 9, limited to the Foul Bay and Waterfall Bay Terminal Harvest Areas. The last landing from the North Afognak/Shuyak Island management units (Northwest Afognak, Perenosa Bay, Shuyak Islands, and Northeast Afognak Sections) was on September 10. Forty eight (48) permit holders harvested 551,035 salmon, including 261 chinook, 94,381 sockeye, 12,272 coho, 436,309 pink, and 7,812 chum salmon in 207 landings (Appendix J.2.).

Based on ADF&G Fish Ticket reports, from the Waterfall Terminal Harvest Area, 5 fishers made 14 landings, and harvested 9,359 sockeye salmon. From the Foul Bay Terminal Harvest Area, 12 fishers made 31 landings, and harvested 41,042 sockeye salmon (Appendix J.2.).

Appendix J.2. Daily salmon harvest, by species, for North Afognak/ Shuyak Island management units, 1999.

DATE	PERMITS	LNDGS	CHINOOK		SOCKEYE		COHO		PINK		CHUM		Total Salmon	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	Number	Pounds
NORTHWEST Afognak SECTION (excluding the Foul Bay THA)														
6-Jul	*	*	3	27	1,793	8,647	0	0	11	34	24	174	1,831	8,882
7-Jul	*	*	2	42	2,255	11,278	1	8	216	377	49	416	2,523	12,121
8-Jul	*	*	29	243	1,026	6,174	5	45	868	3,040	647	5,194	2,575	14,696
9-Jul	*	*	21	174	326	1,961	2	20	394	1,380	197	1,582	940	5,117
13-Jul	*	*	0	0	17	103	1	5	28	98	5	40	51	246
16-Jul	*	*	18	210	380	2,235	0	0	543	1,630	163	1,470	1,104	5,545
21-Jul	*	*	1	11	1,170	6,996	27	181	6,217	18,672	203	1,630	7,618	27,490
22-Jul	*	*	21	175	1,449	8,706	72	518	8,674	26,041	434	3,480	10,650	38,920
23-Jul	*	*	0	0	142	859	6	48	2,297	6,924	62	671	2,507	8,502
27-Jul	5	5	5	93	4,585	23,148	168	882	9,087	27,332	413	2,980	14,258	54,435
28-Jul	4	4	17	223	2,675	14,453	185	1,266	11,102	33,049	335	2,469	14,314	51,460
29-Jul	4	4	2	21	1,750	9,161	125	895	7,244	23,311	287	2,259	9,408	35,647
30-Jul	*	*	0	0	630	3,786	95	665	2,445	7,340	70	565	3,240	12,356
3-Aug	4	4	46	377	87	415	185	1,128	8,366	25,149	37	320	8,721	27,389
4-Aug	*	*	0	0	66	366	81	422	3,696	11,095	32	251	3,875	12,134
5-Aug	6	9	22	263	1,275	6,618	1,548	10,511	20,844	61,217	693	5,275	24,382	83,884
7-Aug	4	4	7	74	1,085	6,539	219	1,545	14,250	43,025	344	2,762	15,905	53,945
11-Aug	5	5	1	15	592	3,218	387	2,721	16,206	44,971	185	1,385	17,371	52,310
12-Aug	5	5	7	59	522	3,147	261	1,849	10,243	31,323	190	1,528	11,223	37,906
13-Aug	*	*	2	19	190	1,130	133	930	5,140	15,259	84	586	5,549	17,924
15-Aug	*	*	0	0	0	0	22	174	12,030	33,725	0	0	12,052	33,899
16-Aug	*	*	0	0	0	0	107	858	7,315	21,370	0	0	7,422	22,228
17-Aug	*	*	0	0	0	0	11	90	4,074	10,603	0	0	4,085	10,693
18-Aug	*	*	0	0	35	156	59	413	4,763	14,289	2	15	4,859	14,873
23-Aug	*	*	0	0	12	64	2	14	3,304	8,260	0	0	3,318	8,338
24-Aug	*	*	0	0	24	126	6	34	15,130	45,392	2	14	15,162	45,566
5-Sep	*	*	0	0	20	100	374	2,618	196	529	1	9	591	3,256
10-Sep	*	*	0	0	2	8	362	5,059	0	0	0	0	364	5,067
TOTAL	21	73	204	2,026	22,108	119,394	4,444	32,899	174,683	515,435	4,459	35,075	205,898	704,829
AVG.WT.				9.9		5.4		7.4		2.95		7.87		

* = Confidential information.

-Continued-

Appendix J.2. (Page 2 of 5)

DATE	PERMITS	LNDGS	CHINOOK		SOCKEYE		COHO		PINK		CHUM		Total Salmon	
			NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	NUMBER	POUNDS	Number	Pounds
FOUL BAY TERMINAL HARVEST AREA														
9-Jun	12	12	1	40	11,628	53,917	0	0	0	0	9	64	11,638	54,021
10-Jun	4	4	0	0	7,176	38,755	0	0	0	0	0	0	7,176	38,755
11-Jun	*	*	0	0	364	1,481	0	0	0	0	0	0	364	1,481
12-Jun	7	7	1	31	2,612	11,696	0	0	0	0	0	0	2,613	11,727
13-Jun	2	2	1	6	1,825	8,162	0	0	0	0	1	11	1,827	8,179
14-Jun	*	*	0	0	235	940	0	0	0	0	0	0	235	940
15-Jun	*	*	0	0	1,763	8,183	0	0	0	0	0	0	1,763	8,183
16-Jun	*	*	0	0	520	3,031	0	0	0	0	0	0	520	3,031
18-Jun	*	*	0	0	1,500	6,970	0	0	0	0	0	0	1,500	6,970
20-Jun	*	*	0	0	414	2,321	0	0	0	0	0	0	414	2,321
21-Jun	*	*	1	49	1,368	5,883	0	0	0	0	0	0	1,369	5,932
22-Jun	*	*	0	0	1,751	7,215	0	0	0	0	0	0	1,751	7,215
23-Jun	*	*	0	0	1,356	5,678	0	0	0	0	1	10	1,357	5,688
24-Jun	*	*	0	0	2,315	9,601	0	0	0	0	1	9	2,316	9,610
25-Jun	*	*	0	0	1,031	4,641	0	0	0	0	0	0	1,031	4,641
26-Jun	*	*	0	0	768	3,264	0	0	0	0	0	0	768	3,264
27-Jun	*	*	0	0	561	2,347	0	0	0	0	0	0	561	2,347
28-Jun	*	*	0	0	211	852	0	0	0	0	0	0	211	852
29-Jun	*	*	0	0	1,246	5,296	0	0	0	0	0	0	1,246	5,296
30-Jun	*	*	0	0	874	3,473	0	0	0	0	0	0	874	3,473
2-Jul	*	*	0	0	237	887	0	0	0	0	0	0	237	887
5-Jul	*	*	8	145	977	4,893	0	0	376	1,130	343	2,413	1,704	8,581
7-Jul	*	*	0	0	310	1,551	0	0	39	55	9	75	358	1,681
TOTAL	19	51	12	271	41,042	191,037	0	0	415	1,185	364	2,582	41,833	195,075
AVG.WT.				22.58		4.65		0		2.86		7.09		

* = Confidential information.

-Continued-

Appendix J.2. (Page 3 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
PERENOSA BAY SECTION (excluding the Waterfall Bay THA)														
22-Jun	*	*	1	20	5,012	25,495	0	0	0	0	50	349	5,063	25,864
23-Jun	4	4	0	0	3,122	14,948	0	0	0	0	13	113	3,135	15,061
24-Jun	*	*	3	8	1,257	6,069	0	0	0	0	69	607	1,329	6,684
25-Jun	*	*	0	0	762	3,210	0	0	0	0	3	27	765	3,237
26-Jun	*	*	0	0	260	1,121	0	0	0	0	2	10	262	1,131
27-Jun	*	*	0	0	954	4,289	0	0	0	0	13	68	967	4,357
28-Jun	*	*	2	19	1,836	8,118	0	0	0	0	25	171	1,863	8,308
29-Jun	5	7	13	213	3,032	13,839	0	0	2	5	163	1,196	3,210	15,253
16-Aug	*	*	0	0	12	75	415	3,330	3,916	11,644	5	58	4,348	15,107
18-Aug	*	*	0	0	2	12	982	8,235	715	2,113	0	0	1,699	10,360
1-Sep	*	*	0	0	2	6	142	1,357	0	0	0	0	144	1,363
2-Sep	*	*	0	0	2	6	558	4,015	302	906	0	0	862	4,927
5-Sep	*	*	0	0	33	166	623	4,363	326	880	0	0	982	5,409
Total	13	32	19	260	16,286	77,354	2,720	21,300	5,261	15,548	343	2,599	24,629	117,061
Avg.Wt.			0	13.68	0	4.75	0	7.83	0	2.96	0	7.58	0	36.8
WATERFALL BAY TERMINAL HARVEST AREA														
9-Jun	*	*	1	18	4,477	20,471	0	0	0	0	0	0	4,478	20,489
11-Jun	*	*	1	27	1,256	5,310	0	0	0	0	0	0	1,257	5,337
16-Jun	*	*	0	0	612	2,446	0	0	0	0	0	0	612	2,446
21-Jun	*	*	0	0	1,046	4,502	0	0	0	0	0	0	1,046	4,502
25-Jun	*	*	0	0	763	3,210	0	0	0	0	4	27	767	3,237
27-Jun	*	*	0	0	605	2,614	0	0	0	0	3	23	608	2,637
28-Jun	*	*	0	0	180	810	0	0	0	0	0	0	180	810
5-Jul	*	*	0	0	414	1,655	0	0	0	0	0	0	414	1,655
16-Aug	*	*	0	0	6	36	32	267	8,227	23,262	10	109	8,275	23,674
19-Aug	*	*	0	0	0	0	0	0	3,881	13,584	0	0	3,881	13,584
Total	5	14	2	45	9,359	41,054	32	267	12,108	36,846	17	159	21,518	78,371
Avg.Wt.			0	22.5	0	4.39	0	8.34	0	3.04	0	9.35	0	

* = Confidential information.

-Continued-

Appendix J.2. (Page 4 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
SHUYAK ISLAND SECTION														
16-Aug	*	*	0	0	0	0	506	4,015	562	1,581	0	0	1,068	5,596
Total	*	*	0	0	0	0	506	4,015	562	1,581	0	0	1,068	5,596
Avg.Wt.			0	0	0	0	0	7.93	0	2.81	0	0		
NORTHEAST AFOGNAK SECTION														
7-Jul	*	*	0	0	1,072	5,361	0	0	1,082	1,515	895	7,147	3,049	14,023
15-Jul	*	*	0	0	440	2,198	26	178	519	1,557	178	1,247	1,163	5,180
16-Jul	*	*	0	0	220	880	0	0	78	234	314	1,888	612	3,002
21-Jul	*	*	10	110	64	320	196	1,364	242	726	190	1,322	702	3,842
23-Jul	*	*	8	122	301	1,509	521	3,648	1,800	5,400	360	2,523	2,990	13,202
29-Jul	*	*	1	3	57	222	35	217	492	1,375	31	217	616	2,034
30-Jul	*	*	0	0	176	838	76	431	1,666	4,456	187	1,530	2,105	7,255
3-Aug	*	*	0	0	154	800	86	518	7,012	21,020	36	260	7,288	22,598
5-Aug	*	*	5	76	139	695	133	801	9,313	27,953	65	459	9,655	29,984
13-Aug	*	*	0	0	302	1,408	197	1,429	20,750	61,077	86	724	21,335	64,638
14-Aug	*	*	0	0	96	482	55	388	9,354	25,256	29	203	9,534	26,329
18-Aug	*	*	0	0	417	1,958	631	4,420	29,850	85,573	72	529	30,970	92,480
19-Aug	*	*	0	0	61	308	151	1,061	13,507	36,469	15	108	13,734	37,946
20-Aug	*	*	0	0	121	603	294	2,066	13,844	37,380	14	102	14,273	40,151
21-Aug	*	*	0	0	76	420	59	441	15,482	44,613	8	59	15,625	45,533
22-Aug	*	*	0	0	308	1,495	116	891	15,144	46,978	18	133	15,586	49,497
23-Aug	*	*	0	0	700	3,503	373	2,516	35,730	109,019	56	447	36,859	115,485
24-Aug	4	4	0	0	432	2,087	497	3,346	25,093	75,631	42	332	26,064	81,396
25-Aug	*	*	0	0	183	933	187	1,591	15,759	48,623	23	176	16,152	51,323
26-Aug	*	*	0	0	29	145	41	330	3,132	9,396	3	16	3,205	9,887
27-Aug	4	4	0	0	218	1,073	668	5,181	20,675	54,360	7	49	21,568	60,663
28-Aug	*	*	0	0	20	100	228	1,820	2,756	6,890	0	0	3,004	8,810
Total	17	39	24	311	5,586	27,338	4,570	32,637	243,280	705,501	2,629	19,471	256,089	785,258
Avg.Wt.			0	12.96	0	4.89	0	7.14	0	2.9	0	7.41		

* = Confidential information.

-Continued-

Appendix J.2. (Page 5 of 5)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTH AFOGNAK/ SHUYAK ISLAND MANAGEMENT PLAN UNITS														
Grand														
Total	48	207	261	2,913	94,381	456,177	12,272	91,118	436,309	1,276,096	7,812	59,886	551,035	1,886,190
Avg.Wt.			0	11.16	0	4.83	0	7.42	0	2.92	0	7.67		

Appendix K.1. Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 1999.

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
S.W.AFOGNAK & RASPBERRY STRAITS (COMBINE) (251-10,11,20)	19-Jun	25	196	1,509	7.7	6,227	31,921	5.1	0	0	0.0	1	4	4.0	288	2,178	7.6
	26-Jun	26	1,104	8,211	7.4	12,949	65,477	5.1	0	0	0.0	83	233	2.8	3,157	24,296	7.7
	3-Jul	27	1,563	15,336	9.8	10,392	55,367	5.3	6	35	5.8	835	2,528	3.0	3,746	30,623	8.2
	10-Jul	28	473	3,981	8.4	9,108	44,845	4.9	7	50	7.1	2,320	7,100	3.1	2,330	18,770	8.1
	17-Jul	29	468	4,796	10.2	8,035	41,491	5.2	83	568	6.8	9,554	28,266	3.0	1,868	14,187	7.6
	24-Jul	30	199	2,146	10.8	10,099	51,850	5.1	290	2,163	7.5	32,115	92,688	2.9	2,674	20,845	7.8
	31-Jul	31	156	1,694	10.9	8,512	45,066	5.3	1,215	9,450	7.8	45,749	137,474	3.0	2,328	20,208	8.7
	7-Aug	32	15	209	13.9	717	3,892	5.4	190	1,481	7.8	7,519	19,280	2.6	203	1,709	8.4
	14-Aug	33	61	761	12.5	3,174	16,016	5.0	1,341	9,860	7.4	56,608	138,489	2.4	1,103	8,443	7.7
	21-Aug	34	1	8	8.0	342	1,755	5.1	137	1,207	8.8	12,524	34,498	2.8	119	844	7.1
	28-Aug	35	12	164	13.7	1,294	7,103	5.5	1,142	7,383	6.5	21,835	68,838	3.2	178	1,314	7.4
140	4-Sep	36	1	15	15.0	149	768	5.2	122	1,061	8.7	474	1,678	3.5	14	104	7.4
	11-Sep	37	0	0	0.0	561	2,810	5.0	595	5,365	9.0	2,790	8,373	3.0	33	237	7.2
	18-Sep	38	0	0	0.0	335	1,679	5.0	138	1,248	9.0	115	345	3.0	0	0	0.0
	TOTAL		4,249	38,830	9.1	71,894	370,040	5.1	5,266	39,871	7.6	192,522	539,794	2.8	18,041	143,758	8.0
	TOTAL																
N.W.AFOGNAK (251-30,40,41,50)	12-Jun	24	2	71	35.5	21,780	105,849	4.9	0	0	0.0	0	0	0.0	9	64	7.1
	19-Jun	25	1	6	6.0	5,843	27,286	4.7	0	0	0.0	0	0	0.0	1	11	11.0
	26-Jun	26	1	49	49.0	9,003	38,603	4.3	0	0	0.0	0	0	0.0	2	19	9.5
	3-Jul	27	0	0	0.0	3,129	12,855	4.1	0	0	0.0	0	0	0.0	0	0	0.0
	10-Jul	28	63	631	10.0	6,687	34,504	5.2	8	73	9.1	1,904	6,016	3.2	1,269	9,854	7.8
	17-Jul	29	18	210	11.7	397	2,338	5.9	1	5	5.0	571	1,728	3.0	168	1,510	9.0
	24-Jul	30	22	186	8.5	2,761	16,561	6.0	105	747	7.1	17,188	51,637	3.0	699	5,781	8.3
	31-Jul	31	24	337	14.0	9,640	50,548	5.2	573	3,708	6.5	29,878	91,032	3.0	1,105	8,273	7.5
	7-Aug	32	75	714	9.5	2,513	13,938	5.5	2,033	13,606	6.7	47,156	140,486	3.0	1,106	8,608	7.8
	14-Aug	33	10	93	9.3	1,304	7,495	5.7	781	5,500	7.0	31,589	91,553	2.9	459	3,499	7.6
	21-Aug	34	0	0	0.0	35	156	4.5	199	1,535	7.7	28,182	79,987	2.8	2	15	7.5
	28-Aug	35	0	0	0.0	36	190	5.3	8	48	6.0	18,434	53,652	2.9	2	14	7.0
	11-Sep	37	0	0	0.0	22	108	4.9	736	7,677	10.4	196	529	2.7	1	9	9.0
	TOTAL		216	2,297	10.6	63,150	310,431	4.9	4,444	32,899	7.4	175,098	516,620	3.0	4,823	37,657	7.8
SHUYAK (251-60,70,81)	21-Aug	34	0	0	0.0	0	0	0.0	506	4,015	7.9	562	1,581	2.8	0	0	0.0
	TOTAL		0	0	0.0	0	0	0.0	506	4,015	7.9	562	1,581	2.8	0	0	0.0
PERENOSA (251-82,83,84)	12-Jun	24	2	45	22.5	5,733	25,781	4.5	0	0	0.0	0	0	0.0	0	0	0.0
	19-Jun	25	0	0	0.0	612	2,446	4.0	0	0	0.0	0	0	0.0	0	0	0.0

-Continued-

Appendix K.1. (Page 2 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	Avg.	#	LBS.	Avg.	#	LBS.	Avg.	#	LBS.	Avg.	#	LBS.	Avg.	
PERENOSA (Cont.) (251-82,83,84)	26-Jun	26	4	28	7.0	12,222	58,555	4.8	0	0	0.0	0	0	0.0	141	1,133	8.0
	3-Jul	27	15	232	15.5	6,607	29,670	4.5	0	0	0.0	2	5	2.5	204	1,458	7.1
	10-Jul	28	0	0	0.0	414	1,655	4.0	0	0	0.0	0	0	0.0	0	0	0.0
	21-Aug	34	0	0	0.0	20	123	6.2	1,429	11,832	8.3	16,739	50,603	3.0	15	167	11.1
	4-Sep	36	0	0	0.0	4	12	3.0	700	5,372	7.7	302	906	3.0	0	0	0.0
	11-Sep	37	0	0	0.0	33	166	5.0	623	4,363	7.0	326	880	2.7	0	0	0.0
	TOTAL		21	305	14.5	25,645	118,408	4.6	2,752	21,567	7.8	17,369	52,394	3.0	360	2,758	7.7
N.E.APOGNAK (251-90,252-10,20)	10-Jul	28	0	0	0.0	1,072	5,361	5.0	0	0	0.0	1,082	1,515	1.4	895	7,147	8.0
	17-Jul	29	0	0	0.0	660	3,078	4.7	26	178	6.8	597	1,791	3.0	492	3,135	6.4
	24-Jul	30	18	232	12.9	365	1,829	5.0	717	5,012	7.0	2,042	6,126	3.0	550	3,845	7.0
	31-Jul	31	1	3	3.0	233	1,060	4.5	111	648	5.8	2,158	5,831	2.7	218	1,747	8.0
	7-Aug	32	5	76	15.2	293	1,495	5.1	219	1,319	6.0	16,325	48,973	3.0	101	719	7.1
	14-Aug	33	0	0	0.0	398	1,890	4.7	252	1,817	7.2	30,104	86,333	2.9	115	927	8.1
	21-Aug	34	0	0	0.0	675	3,289	4.9	1,135	7,988	7.0	72,683	204,035	2.8	109	798	7.3
	28-Aug	35	0	0	0.0	1,890	9,336	4.9	2,110	15,675	7.4	118,289	350,897	3.0	149	1,153	7.7
	TOTAL		24	311	13.0	5,586	27,338	4.9	4,570	32,637	7.1	243,280	705,501	2.9	2,629	19,471	7.4
IZHUT (252-30)	12-Jun	24	0	0	0.0	57	257	4.5	0	0	0.0	0	0	0.0	1,509	11,503	7.6
	19-Jun	25	8	99	12.4	538	2,696	5.0	1	11	11.0	0	0	0.0	20,994	151,326	7.2
	26-Jun	26	5	70	14.0	226	1,090	4.8	0	0	0.0	0	0	0.0	18,382	134,781	7.3
	31-Jul	31	1	2	2.0	9,472	46,316	4.9	142	853	6.0	8,267	23,650	2.9	1,800	11,109	6.2
	7-Aug	32	2	21	10.5	1,531	7,334	4.8	443	2,711	6.1	155,545	278,546	1.8	791	5,892	7.4
	14-Aug	33	14	180	12.9	4,995	24,675	4.9	3,722	27,062	7.3	472,831	1,365,914	2.9	856	6,289	7.3
	21-Aug	34	6	70	11.7	1,380	6,919	5.0	2,888	21,364	7.4	180,308	521,156	2.9	151	1,111	7.4
	28-Aug	35	2	23	11.5	5,403	27,150	5.0	22,495	162,383	7.2	561,204	1,708,055	3.0	197	1,508	7.7
	4-Sep	36	0	0	0.0	1,506	7,104	4.7	18,242	137,576	7.5	105,538	321,530	3.0	39	288	7.4
	11-Sep	37	0	0	0.0	744	3,702	5.0	17,741	136,238	7.7	54,044	169,301	3.1	161	1,134	7.0
	18-Sep	38	0	0	0.0	28	142	5.1	3,316	24,722	7.5	1,029	3,088	3.0	0	0	0.0
	TOTAL		38	465	12.2	25,880	127,385	4.9	68,990	512,920	7.4	1,538,766	4,391,240	2.9	44,880	324,941	7.2
KITOI BAY (252-32)	12-Jun	24	9	82	9.1	655	2,919	4.5	0	0	0.0	0	0	0.0	13,952	99,335	7.1
	19-Jun	25	49	452	9.2	411	1,990	4.8	0	0	0.0	3	7	2.3	23,075	158,414	6.9
	26-Jun	26	8	65	8.1	239	1,116	4.7	1	7	7.0	0	0	0.0	48,047	349,621	7.3
	31-Jul	31	3	45	15.0	4,373	20,599	4.7	466	2,635	5.7	7,812	20,333	2.6	1,050	7,539	7.2
	7-Aug	32	9	56	6.2	2,589	13,448	5.2	388	2,983	7.7	123,524	355,025	2.9	1,282	10,772	8.4

-Continued-

Appendix K.1. (Page 3 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
KITOI BAY (Cont.) (252-32)	14-Aug	33	3	33	11.0	1,282	6,803	5.3	843	5,656	6.7	136,744	425,180	3.1	269	1,769	6.6
	21-Aug	34	0	0	0.0	104	503	4.8	36	288	8.0	15,211	48,289	3.2	14	81	5.8
	11-Sep	37	3	48	16.0	363	1,758	4.8	4,951	39,034	7.9	10,633	34,051	3.2	0	0	0.0
	18-Sep	38	0	0	0.0	0	0	0.0	2,724	19,249	7.1	2,800	8,239	2.9	0	0	0.0
	25-Sep	39	0	0	0.0	0	0	0.0	150	1,036	6.9	0	0	0.0	0	0	0.0
	TOTAL		84	781	9.3	10,016	49,136	4.9	9,559	70,888	7.4	296,727	891,124	3.0	87,689	627,531	7.2
DUCK BAY (252-31)	12-Jun	24	0	0	0.0	692	3,465	5.0	0	0	0.0	0	0	0.0	1	13	13.0
	3-Jul	27	1	3	3.0	42	200	4.8	0	0	0.0	42	112	2.7	498	3,339	6.7
	10-Jul	28	0	0	0.0	1,490	7,456	5.0	18	127	7.1	1,449	4,349	3.0	572	4,014	7.0
	17-Jul	29	0	0	0.0	1,286	6,432	5.0	51	361	7.1	1,755	5,267	3.0	484	3,393	7.0
	24-Jul	30	0	0	0.0	1,420	9,405	6.6	49	282	5.8	907	2,712	3.0	654	4,548	7.0
	31-Jul	31	2	40	20.0	1,182	6,275	5.3	267	1,679	6.3	14,868	45,392	3.1	225	1,629	7.2
	7-Aug	32	11	216	19.6	3,679	19,244	5.2	2,285	15,595	6.8	201,863	567,523	2.8	1,470	11,729	8.0
	14-Aug	33	27	459	17.0	6,240	30,984	5.0	6,443	45,293	7.0	585,004	1,701,766	2.9	1,693	13,311	7.9
	21-Aug	34	14	201	14.4	7,468	38,279	5.1	10,243	74,558	7.3	1,121,174	3,313,544	3.0	1,318	10,557	8.0
	28-Aug	35	3	36	12.0	3,243	16,169	5.0	11,337	80,306	7.1	222,977	695,823	3.1	1,395	11,062	7.9
	4-Sep	36	0	0	0.0	574	2,745	4.8	5,440	40,825	7.5	61,565	186,001	3.0	14	101	7.2
	11-Sep	37	3	65	21.7	130	626	4.8	1,223	8,611	7.0	9,996	29,604	3.0	3	22	7.3
	TOTAL		61	1,020	16.7	27,446	141,280	5.1	37,356	267,637	7.2	2,221,600	6,552,093	2.9	8,327	63,718	7.7
S.E.AFOGNACK (252-33,34,35)	12-Jun	24	25	355	14.2	17,900	84,967	4.7	0	0	0.0	0	0	0.0	444	3,156	7.1
	19-Jun	25	10	170	17.0	6,608	29,784	4.5	0	0	0.0	0	0	0.0	5	37	7.4
	26-Jun	26	13	210	16.2	10,007	44,632	4.5	0	0	0.0	0	0	0.0	19	138	7.3
	3-Jul	27	0	0	0.0	1,318	7,058	5.4	0	0	0.0	0	0	0.0	0	0	0.0
	10-Jul	28	6	65	10.8	1,729	7,726	4.5	20	156	7.8	898	2,692	3.0	427	2,868	6.7
	17-Jul	29	0	0	0.0	1,811	7,247	4.0	90	724	8.0	1,852	5,558	3.0	819	4,914	6.0
	24-Jul	30	0	0	0.0	35	173	4.9	0	0	0.0	109	328	3.0	21	144	6.9
	31-Jul	31	5	43	8.6	267	1,255	4.7	73	511	7.0	2,402	7,080	2.9	53	364	6.9
	7-Aug	32	2	37	18.5	140	748	5.3	37	256	6.9	6,027	18,083	3.0	45	369	8.2
	21-Aug	34	0	0	0.0	210	1,106	5.3	615	3,877	6.3	30,785	101,411	3.3	43	327	7.6
	28-Aug	35	0	0	0.0	87	433	5.0	368	2,940	8.0	6,397	19,191	3.0	8	75	9.4
	TOTAL		61	880	14.4	40,112	185,129	4.6	1,203	8,464	7.0	48,470	154,343	3.2	1,884	12,392	6.6

-Continued-

Appendix K.1. (Page 4 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
CENTRAL, TERROR BAY, INNER UGANIK, SPIRIDON, ZACHAR, & UYAK COMB. (253-11,12,13,14,31 32,33,35,254-10,20, 30,40,50)	12-Jun	24	107	1,343	12.6	34,885	184,979	5.3	1	6	6.0	0	0	619	4,310	7.0	
	19-Jun	25	391	5,542	14.2	81,424	419,767	5.2	1	6	6.0	5	15	3.0	5,824	41,288	7.1
	26-Jun	26	298	3,594	12.1	96,528	501,238	5.2	7	46	6.6	120	426	3.6	12,720	88,517	7.0
	3-Jul	27	277	3,847	13.9	115,949	626,599	5.4	46	322	7.0	1,860	6,052	3.3	16,393	118,305	7.2
	10-Jul	28	658	6,923	10.5	120,321	651,421	5.4	222	1,384	6.2	11,051	36,609	3.3	16,483	127,472	7.7
	17-Jul	29	147	2,263	15.4	96,203	524,114	5.4	229	1,413	6.2	33,411	106,939	3.2	16,371	129,868	7.9
	24-Jul	30	155	2,182	14.1	119,826	652,239	5.4	1,034	7,371	7.1	163,381	501,823	3.1	20,722	173,468	8.4
	31-Jul	31	161	2,751	17.1	109,745	593,678	5.4	1,820	12,922	7.1	206,506	634,131	3.1	22,232	186,745	8.4
	7-Aug	32	150	2,708	18.1	133,293	725,999	5.4	6,950	50,429	7.3	383,083	1,218,264	3.2	17,533	146,386	8.3
	14-Aug	33	212	3,357	15.8	195,358	1,056,499	5.4	11,850	86,234	7.3	637,822	2,026,428	3.2	12,611	101,150	8.0
	21-Aug	34	275	3,943	14.3	285,726	1,539,866	5.4	18,806	146,468	7.8	1,013,644	3,204,744	3.2	9,766	78,009	8.0
	28-Aug	35	140	1,945	13.9	199,377	1,056,451	5.3	18,617	146,890	7.9	515,264	1,637,657	3.2	3,937	31,363	8.0
	4-Sep	36	20	311	15.6	67,250	352,856	5.2	10,796	83,890	7.8	115,501	361,416	3.1	829	6,138	7.4
	11-Sep	37	12	140	11.7	26,625	143,384	5.4	5,055	40,043	7.9	5,722	18,508	3.2	52	390	7.5
	18-Sep	38	14	132	9.4	21,453	113,575	5.3	1,555	11,062	7.1	116	380	3.3	17	126	7.4
	25-Sep	39	0	0	0.0	6,251	32,074	5.1	290	2,413	8.3	9	28	3.1	0	0	0.0
		TOTAL	3,017	40,981	13.6	1,710,214	9,174,739	5.4	77,279	590,899	7.6	3,087,495	9,753,420	3.2	156,109	1,233,535	7.9
NORTH CAPE, ANTON LARSEN, SHERATIN, & KIZHUYAK COMB. (259-35,36,37,38,39)	12-Jun	24	10	149	14.9	4,452	22,326	5.0	0	0	0.0	0	0	160	1,092	6.8	
	19-Jun	25	38	634	16.7	17,172	86,857	5.1	0	0	0.0	6	18	3.0	3,456	24,571	7.1
	26-Jun	26	26	556	21.4	9,551	49,031	5.1	0	0	0.0	13	38	2.9	1,302	9,405	7.2
	3-Jul	27	24	402	16.8	9,006	46,441	5.2	12	70	5.8	406	1,215	3.0	3,055	23,085	7.6
	10-Jul	28	36	411	11.4	5,611	29,319	5.2	70	410	5.9	2,097	6,535	3.1	1,787	14,416	8.1
	17-Jul	29	14	177	12.6	7,798	43,282	5.6	693	4,605	6.6	9,748	32,508	3.3	4,282	33,039	7.7
	24-Jul	30	58	599	10.3	4,115	21,945	5.3	1,655	11,742	7.1	13,487	43,568	3.2	2,045	16,840	8.2
	31-Jul	31	3	56	18.7	2,643	14,446	5.5	1,722	11,250	6.5	14,681	48,997	3.3	1,847	14,263	7.7
	7-Aug	32	11	274	24.9	3,462	18,122	5.2	2,258	14,420	6.4	100,451	297,994	3.0	5,943	45,647	7.7
	14-Aug	33	23	175	7.6	1,053	5,662	5.4	454	3,152	6.9	24,949	77,911	3.1	2,367	18,035	7.6
	21-Aug	34	11	235	21.4	3,915	20,728	5.3	2,451	17,616	7.2	141,658	434,428	3.1	4,628	35,847	7.7
	28-Aug	35	4	99	24.8	4,659	24,033	5.2	2,872	20,890	7.3	89,413	271,634	3.0	2,528	19,994	7.9
	TOTAL	258	3,767	14.6	73,437	382,192	5.2	12,187	84,155	6.9	396,909	1,214,846	3.1	33,400	256,234	7.7	
OUTER KARLUK (255-20)	19-Jun	25	111	1,759	15.8	21,577	101,528	4.7	0	0	0.0	1	4	4.0	2,498	15,620	6.3
	26-Jun	26	398	6,987	17.6	39,362	198,351	5.0	2	13	6.5	166	479	2.9	8,385	62,228	7.4
	3-Jul	27	35	432	12.3	4,495	21,744	4.8	0	0	0.0	59	185	3.1	741	6,381	8.6
	10-Jul	28	140	1,804	12.9	10,818	54,416	5.0	5	34	6.8	2,366	6,423	2.7	1,167	9,081	7.8

-Continued-

Appendix K.1. (Page 5 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
OUTER KARLUK (Cont.) (255-20)	17-Jul	29	7	141	20.1	9,688	48,234	5.0	15	102	6.8	6,089	20,016	3.3	1,509	12,160	8.1
	28-Aug	35	1	10	10.0	3,012	15,712	5.2	293	2,267	7.7	4,478	12,819	2.9	37	317	8.6
	4-Sep	36	7	170	24.3	14,839	79,569	5.4	2,667	18,858	7.1	12,017	43,718	3.6	105	832	7.9
	11-Sep	37	5	34	6.8	3,467	17,006	4.9	1,074	7,657	7.1	2,546	8,207	3.2	11	77	7.0
	18-Sep	38	0	0	0.0	1,478	7,305	4.9	99	780	7.9	0	0	0.0	3	18	6.0
	25-Sep	39	0	0	0.0	2,507	12,804	5.1	158	1,186	7.5	0	0	0.0	2	31	15.5
		TOTAL	704	11,337	16.1	111,243	556,669	5.0	4,313	30,897	7.2	27,722	91,851	3.3	14,458	106,745	7.4
INNER KARLUK (255-20)	26-Jun	26	173	3,395	19.6	7,912	40,141	5.1	2	11	5.5	23	68	3.0	3,283	22,874	7.0
	3-Jul	27	107	1,599	14.9	8,606	43,136	5.0	0	0	0.0	95	279	2.9	1,922	15,851	8.2
	10-Jul	28	91	1,172	12.9	5,448	27,031	5.0	2	17	8.5	407	1,230	3.0	544	4,298	7.9
	17-Jul	29	9	155	17.2	1,274	6,615	5.2	0	0	0.0	38	116	3.1	30	233	7.8
	TOTAL	380	6,321	16.6	23,240	116,923	5.0	4	28	7.0		563	1,693	3.0	5,779	43,256	7.5
HALIBUT BAY (256-25,30)	26-Jun	26	195	2,585	13.3	53,163	269,711	5.1	1	7	7.0	537	1,655	3.1	3,955	30,093	7.6
	3-Jul	27	129	1,745	13.5	47,302	251,870	5.3	5	37	7.4	521	1,552	3.0	2,811	21,694	7.7
	10-Jul	28	270	3,035	11.2	56,647	295,495	5.2	53	350	6.6	4,652	13,665	2.9	2,534	19,303	7.6
	17-Jul	29	35	349	10.0	30,884	161,098	5.2	162	1,016	6.3	7,291	20,637	2.8	2,446	16,515	6.8
	24-Jul	30	28	514	18.4	10,352	52,490	5.1	66	572	8.7	16,352	45,349	2.8	1,155	10,187	8.8
	31-Jul	31	46	946	20.6	17,247	90,291	5.2	259	1,896	7.3	46,471	139,740	3.0	900	7,124	7.9
	28-Aug	35	6	95	15.8	4,729	26,402	5.6	310	2,399	7.7	11,856	38,690	3.3	152	1,260	8.3
	4-Sep	36	7	67	9.6	17,267	95,596	5.5	1,553	9,389	6.0	10,805	34,752	3.2	140	967	6.9
	11-Sep	37	3	50	16.7	5,725	29,995	5.2	1,015	7,608	7.5	3,353	10,558	3.1	45	290	6.4
	TOTAL	719	9,386	13.1	243,316	1,272,948	5.2	3,424	23,274	6.8	101,838	306,598	3.0	14,138	107,433	7.6	
INNER & OUTER AYAKULIK (256-10,15,20)	19-Jun	25	1,703	25,363	14.9	203,981	997,051	4.9	1	6	6.0	17	48	2.8	6,505	51,837	8.0
	26-Jun	26	863	12,412	14.4	125,890	644,255	5.1	0	0	0.0	304	772	2.5	11,763	90,008	7.7
	3-Jul	27	332	4,302	13.0	67,264	341,665	5.1	2	17	8.5	1,225	3,403	2.8	4,785	35,075	7.3
	10-Jul	28	150	2,072	13.8	62,883	323,519	5.1	35	251	7.2	8,623	24,535	2.8	3,649	27,390	7.5
	17-Jul	29	89	1,154	13.0	80,615	428,335	5.3	75	498	6.6	20,932	58,706	2.8	4,079	31,216	7.7
	31-Jul	31	16	227	14.2	36,058	187,988	5.2	140	993	7.1	27,784	81,840	2.9	1,036	8,450	8.2
	7-Aug	32	13	189	14.5	30,306	153,015	5.0	699	5,221	7.5	55,326	166,373	3.0	2,932	23,140	7.9
	14-Aug	33	0	0	0.0	11,456	62,719	5.5	201	1,411	7.0	32,117	84,578	2.6	209	1,590	7.6
	21-Aug	34	5	79	15.8	29,524	163,120	5.5	1,128	8,169	7.2	210,002	646,205	3.1	981	7,511	7.7
	28-Aug	35	3	56	18.7	2,105	11,371	5.4	256	1,850	7.2	10,984	28,216	2.6	58	419	7.2
	TOTAL	3,174	45,854	14.4	650,082	3,313,038	5.1	2,537	18,416	7.3	367,314	1,094,676	3.0	35,997	276,636	7.7	

-Continued-

Appendix K.1. (Page 6 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
CAPE ALITAK (257-10&20)	12-Jun	24	13	235	18.1	7,704	38,699	5.0	0	0	0.0	0	0	0.0	13	153	11.8
	26-Jun	26	64	1,122	17.5	17,358	87,470	5.0	0	0	0.0	2	4	2.0	939	8,184	8.7
	3-Jul	27	23	487	21.2	9,813	49,045	5.0	0	0	0.0	0	0	0.0	768	6,795	8.8
	24-Jul	30	25	449	18.0	5,171	26,361	5.1	29	191	6.6	12,604	38,317	3.0	25,681	228,546	8.9
	31-Jul	31	40	880	22.0	11,329	59,252	5.2	119	841	7.1	48,057	156,906	3.3	6,583	58,566	8.9
	7-Aug	32	23	525	22.8	17,874	94,448	5.3	371	2,902	7.8	116,423	357,798	3.1	2,244	18,874	8.4
	14-Aug	33	7	204	29.1	15,766	84,565	5.4	143	1,170	8.2	111,412	358,691	3.2	1,317	10,823	8.2
	21-Aug	34	2	56	28.0	3,804	20,015	5.3	83	619	7.5	11,557	44,927	3.9	246	2,213	9.0
	28-Aug	35	2	19	9.5	13,236	68,719	5.2	792	6,686	8.4	88,895	284,080	3.2	2,386	18,608	7.8
	4-Sep	36	3	73	24.3	2,796	13,996	5.0	562	5,066	9.0	9,771	29,327	3.0	394	3,144	8.0
	11-Sep	37	0	0	0.0	35	169	4.8	13	127	9.8	0	0	0.0	9	65	7.2
	TOTAL	202	4,050	20.0	104,886	542,739	5.2	2,112	17,602	8.3	398,721	1,270,050	3.2	40,580	355,971	8.8	
MOSER/OLGA BAY & DOG SALMON FLATS (257-40,41,42)	5-Jun	23	0	0.0	150	783	5.2	0	0	0.0	0	0	0.0	0	0	0.0	
	12-Jun	24	3	32	10.7	43,417	228,073	5.3	0	0	0.0	0	0	0.0	15	110	7.3
	19-Jun	25	0	0.0	340	1,814	5.3	0	0	0.0	0	0	0.0	0	0	0.0	
	26-Jun	26	7	93	13.3	84,273	432,589	5.1	1	8	8.0	1	4	4.0	444	3,558	8.0
	3-Jul	27	3	39	13.0	27,543	139,217	5.1	0	0	0.0	2	13	6.5	340	2,873	8.5
	10-Jul	28	0	0	0.0	362	1,858	5.1	0	0	0.0	0	0	0.0	7	61	8.7
	17-Jul	29	0	0	0.0	572	3,074	5.4	0	0	0.0	16	64	4.0	19	159	8.4
	24-Jul	30	0	0	0.0	13,043	68,954	5.3	14	95	6.8	6,677	23,355	3.5	587	4,914	8.4
	31-Jul	31	4	45	11.3	31,209	168,333	5.4	95	708	7.5	18,413	65,125	3.5	1,161	10,142	8.7
	7-Aug	32	1	8	8.0	32,553	175,548	5.4	247	1,926	7.8	24,168	85,630	3.5	1,535	12,620	8.2
	14-Aug	33	8	84	10.5	65,375	350,720	5.4	339	2,568	7.6	35,458	123,584	3.5	1,902	15,444	8.1
	21-Aug	34	4	56	14.0	45,483	244,577	5.4	379	2,877	7.6	23,672	79,293	3.3	1,069	8,745	8.2
	28-Aug	35	2	38	19.0	53,974	281,582	5.2	2,710	22,347	8.2	46,111	156,217	3.4	2,910	24,656	8.5
	4-Sep	36	0	0	0.0	20,766	108,461	5.2	2,494	21,467	8.6	11,096	36,208	3.3	1,509	12,080	8.0
	11-Sep	37	0	0	0.0	17,413	90,697	5.2	2,676	23,886	8.9	912	3,012	3.3	1,268	11,213	8.8
	18-Sep	38	0	0	0.0	4,210	21,682	5.2	780	7,861	10.1	0	0	0.0	194	1,668	8.6
	TOTAL	32	395	12.3	440,683	2,317,962	5.3	9,735	83,743	8.6	166,526	572,505	3.4	12,960	108,243	8.4	
HUMPY/DEADMAN (257-50,60,70)	26-Jun	26	4	91	22.8	3,586	18,080	5.0	0	0	0.0	0	0	0.0	317	2,862	9.0
	3-Jul	27	0	0	0.0	1,002	5,014	5.0	0	0	0.0	0	0	0.0	43	392	9.1
	24-Jul	30	12	297	24.8	11,921	62,951	5.3	78	540	6.9	17,689	52,328	3.0	1,152	10,434	9.1
	31-Jul	31	6	142	23.7	8,048	40,753	5.1	90	623	6.9	27,350	91,190	3.3	1,586	14,309	9.0
	7-Aug	32	3	69	23.0	314	1,643	5.2	20	142	7.1	63,891	202,068	3.2	208	1,760	8.5

-Continued-

Appendix K.1. (Page 7 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
HUMPY/DEADMAN (Cont.) (257-50,60,70)	14-Aug	33	4	112	28.0	22,661	118,328	5.2	75	605	8.1	165,435	517,616	3.1	8,682	67,490	7.8
	21-Aug	34	4	68	17.0	26,092	141,309	5.4	381	3,052	8.0	334,185	1,038,105	3.1	4,734	37,574	7.9
	28-Aug	35	4	133	33.3	12,880	62,570	4.9	341	2,911	8.5	174,258	511,962	2.9	6,175	48,464	7.8
	4-Sep	36	0	0	0.0	1,506	7,942	5.3	294	2,369	8.1	5,878	22,972	3.9	2,563	22,652	8.8
	TOTAL		37	912	24.6	88,010	458,590	5.2	1,279	10,242	8.0	788,686	2,436,241	3.1	25,460	205,937	8.1
SEVEN RIVERS (258-70,80,83,85,90)	26-Jun	26	13	177	13.6	4,757	23,948	5.0	0	0	0.0	101	291	2.9	1,104	9,369	8.5
	10-Jul	28	17	220	12.9	7,219	36,123	5.0	115	672	5.8	3,773	9,841	2.6	1,481	13,283	9.0
	17-Jul	29	17	256	15.1	7,171	36,844	5.1	258	1,655	6.4	5,708	18,377	3.2	2,769	21,921	7.9
	24-Jul	30	0	0	0.0	39	197	5.1	13	67	5.2	56	169	3.0	59	536	9.1
	TOTAL		47	653	13.9	19,186	97,112	5.1	386	2,394	6.2	9,638	28,678	3.0	5,413	45,109	8.3
TWO-HEADED (258-54,55,60)	26-Jun	26	48	614	12.8	3,892	19,579	5.0	0	0	0.0	0	0	0.0	1,234	10,235	8.3
	10-Jul	28	39	530	13.6	16,665	85,262	5.1	304	1,930	6.3	3,192	7,772	2.4	1,445	12,301	8.5
	17-Jul	29	18	144	8.0	11,141	59,432	5.3	660	4,314	6.5	6,599	19,606	3.0	2,399	19,435	8.1
	7-Aug	32	0	0	0.0	289	1,446	5.0	61	403	6.6	3,805	12,395	3.3	362	2,903	8.0
	TOTAL		105	1,288	12.3	31,987	165,719	5.2	1,025	6,647	6.5	13,596	39,773	2.9	5,440	44,874	8.2
SITKALIDAK (258-10,20,30,40,51, 52,53)	26-Jun	26	38	430	11.3	3,860	20,802	5.4	0	0	0.0	12	30	2.5	672	5,323	7.9
	10-Jul	28	215	2,359	11.0	48,940	276,198	5.6	427	2,567	6.0	12,517	36,036	2.9	5,179	42,697	8.2
	17-Jul	29	236	1,830	7.8	28,356	154,154	5.4	2,241	13,785	6.2	13,776	40,387	2.9	9,125	71,406	7.8
	24-Jul	30	220	1,899	8.6	9,962	51,067	5.1	3,913	24,273	6.2	12,446	36,274	2.9	7,459	65,606	8.8
	31-Jul	31	196	1,629	8.3	10,331	53,849	5.2	6,953	41,956	6.0	44,931	147,125	3.3	13,241	105,366	8.0
	7-Aug	32	35	566	16.2	3,292	17,378	5.3	1,890	13,338	7.1	65,536	212,502	3.2	18,868	149,164	7.9
	14-Aug	33	18	427	23.7	2,237	11,613	5.2	610	4,994	8.2	139,688	487,914	3.5	30,230	267,139	8.8
	21-Aug	34	17	332	19.5	4,409	23,609	5.4	951	6,962	7.3	308,376	994,699	3.2	26,775	230,494	8.6
	28-Aug	35	7	113	16.1	2,977	15,604	5.2	1,700	12,646	7.4	388,969	1,286,396	3.3	19,079	156,697	8.2
	4-Sep	36	1	20	20.0	2,548	13,070	5.1	3,184	23,817	7.5	170,165	648,988	3.8	8,759	70,336	8.0
	11-Sep	37	1	12	12.0	217	1,179	5.4	833	6,954	8.3	10,004	32,291	3.2	1,114	8,556	7.7
	18-Sep	38	0	0	0.0	114	514	4.5	872	7,408	8.5	2,795	8,962	3.2	616	4,633	7.5
	TOTAL		984	9,617	9.8	117,243	639,037	5.5	23,574	158,700	6.7	1,169,215	3,931,604	3.4	141,117	1,177,417	8.3
INNER & OUTER UGAK (259-40,41,42)	10-Jul	28	22	368	16.7	3,983	19,901	5.0	0	0	0.0	0	0	0.0	51	470	9.2
	17-Jul	29	94	1,160	12.3	16,460	81,889	5.0	89	703	7.9	358	941	2.6	887	8,197	9.2
	24-Jul	30	130	1,121	8.6	18,777	97,639	5.2	784	6,963	8.9	5,660	19,237	3.4	3,201	29,564	9.2
	31-Jul	31	29	508	17.5	6,361	31,280	4.9	408	3,071	7.5	4,302	12,812	3.0	3,402	31,179	9.2

-Continued-

Appendix K.1. (Page 8 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	Avg.	#	LBS.	Avg.	#	LBS.	Avg.	#	LBS.	Avg.	#	LBS.	Avg.	
INNER & OUTER UGAK (259-40,41,42) (Cont.)	7-Aug	32	0	0	0.0	177	888	5.0	30	211	7.0	3,327	8,985	2.7	180	1,262	7.0
	14-Aug	33	0	0	0.0	4	22	5.5	10	71	7.1	96	309	3.2	98	982	10.0
	21-Aug	34	0	0	0.0	2	6	3.0	4	31	7.8	1,546	4,639	3.0	12,349	90,470	7.3
	28-Aug	35	0	0	0.0	5	21	4.2	11	75	6.8	1,256	3,744	3.0	7,808	61,015	7.8
	TOTAL	275	3,157	11.5		45,769	231,646	5.1	1,336	11,125	8.3	16,545	50,667	3.1	27,976	223,139	8.0
OUTER CHINIAK (259-21,25)	17-Jul	29	0	0	0.0	57	230	4.0	0	0	0.0	90	269	3.0	172	1,034	6.0
	24-Jul	30	146	1,364	9.3	2,509	11,621	4.6	1,975	13,178	6.7	19,312	50,959	2.6	5,769	49,071	8.5
	31-Jul	31	9	147	16.3	168	876	5.2	456	3,081	6.8	3,845	11,137	2.9	779	7,096	9.1
	7-Aug	32	0	0	0.0	358	1,826	5.1	66	549	8.3	8,394	26,278	3.1	635	4,817	7.6
	14-Aug	33	0	0	0.0	0	0	0.0	0	0	0.0	16,261	52,408	3.2	52	460	8.8
	21-Aug	34	1	13	13.0	53	264	5.0	62	400	6.5	64,518	194,143	3.0	651	5,007	7.7
	TOTAL	156	1,524	9.8		3,145	14,817	4.7	2,559	17,208	6.7	112,420	335,194	3.0	8,058	67,485	8.4
INNER CHINIAK (259-23,24)	7-Aug	32	0	0	0.0	2	9	4.5	0	0	0.0	560	1,925	3.4	55	485	8.8
	14-Aug	33	0	0	0.0	0	0	0.0	0	0	0.0	1,286	4,501	3.5	13	96	7.4
	21-Aug	34	20	352	17.6	11	62	5.6	46	329	7.2	57,499	166,534	2.9	3,317	24,233	7.3
	28-Aug	35	11	244	22.2	5	19	3.8	128	897	7.0	44,104	134,943	3.1	2,886	20,148	7.0
	4-Sep	36	0	0	0.0	0	0	0.0	20	157	7.9	2,440	7,447	3.1	179	1,364	7.6
	11-Sep	37	0	0	0.0	0	0	0.0	155	1,325	8.5	641	1,923	3.0	314	2,339	7.4
	TOTAL	31	596	19.2		18	90	5.0	349	2,708	7.8	106,530	317,273	3.0	6,764	48,665	7.2
BUSKIN RIVER (259-22)	31-Jul	31	0	0	0.0	1	4	4.0	0	0	0.0	18	55	3.1	63	447	7.1
	28-Aug	35	0	0	0.0	0	0	0.0	3	21	7.0	3,742	11,530	3.1	60	462	7.7
	TOTAL	0	0	0.0		1	4	4.0	3	21	7.0	3,760	11,585	3.1	123	909	7.4
MONASHKA & MILL BAY (259-10)	31-Jul	31	0	0	0.0	0	0	0.0	0	0	0.0	421	1,263	3.0	0	0	0.0
	21-Aug	34	13	276	21.2	60	267	4.5	70	485	6.9	12,623	37,627	3.0	132	1,014	7.7
	TOTAL	13	276	21.2		60	267	4.5	70	485	6.9	13,044	38,890	3.0	132	1,014	7.7
OUTER KUKAK (262-25,30)	26-Jun	26	0	0	0.0	630	2,920	4.6	0	0	0.0	0	0	0.0	0	0	0.0
	31-Jul	31	0	0	0.0	112	560	5.0	50	352	7.0	1,757	5,272	3.0	30	209	7.0
	TOTAL	0	0	0.0		742	3,480	4.7	50	352	7.0	1,757	5,272	3.0	30	209	7.0
DAKAVAK (262-35,40,45,50,55)	10-Jul	28	118	1,614	13.7	3,320	18,043	5.4	7	42	6.0	3,150	8,951	2.8	1,042	10,026	9.6
	17-Jul	29	81	1,082	13.4	13,190	78,328	5.9	36	188	5.2	6,691	18,772	2.8	3,292	27,648	8.4

-Continued-

Appendix K.1. (Page 9 of 9)

SECTION (STAT AREA)	STAT WEEK/ WEEK END	CHINOOK			SOCKEYE			COHO			PINK			CHUM			
		#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	#	LBS.	AVG.	
DAKAVAK (Cont.) (262-35,40,45,50,55)	24-Jul	30	15	208	13.9	5,452	28,455	5.2	73	435	6.0	2,793	8,092	2.9	1,668	11,808	7.1
	31-Jul	31	1	8	8.0	2,535	12,675	5.0	61	370	6.1	1,434	5,022	3.5	490	3,932	8.0
	TOTAL		215	2,912	13.5	24,497	137,501	5.6	177	1,035	5.8	14,068	40,837	2.9	6,492	53,414	8.2
KATMAI (262-60)	10-Jul	28	91	1,406	15.5	3,613	18,624	5.2	10	71	7.1	2,356	7,000	3.0	1,243	9,701	7.8
	17-Jul	29	8	107	13.4	3,193	18,074	5.7	3	20	6.7	1,517	3,937	2.6	611	4,005	6.6
	24-Jul	30	53	762	14.4	10,741	53,584	5.0	372	1,834	4.9	5,012	15,061	3.0	5,389	37,794	7.0
	TOTAL		152	2,275	15.0	17,547	90,282	5.1	385	1,925	5.0	8,885	25,998	2.9	7,243	51,500	7.1
ALINCHAK (262-65,70)	10-Jul	28	170	2,010	11.8	7,241	40,031	5.5	22	170	7.7	6,243	18,508	3.0	3,754	32,025	8.5
	17-Jul	29	11	98	8.9	1,384	7,941	5.7	47	350	7.4	847	1,967	2.3	657	5,912	9.0
	24-Jul	30	14	143	10.2	1,045	5,598	5.4	87	665	7.6	938	2,597	2.8	1,481	12,084	8.2
	31-Jul	31	31	534	17.2	2,521	13,232	5.2	421	3,137	7.5	5,123	17,058	3.3	11,996	94,883	7.9
	TOTAL		226	2,785	12.3	12,191	66,802	5.5	577	4,322	7.5	13,151	40,130	3.1	17,888	144,904	8.1
CAPE IGVAK (262-75,80,90,95)	19-Jun	25	488	7,679	15.7	191,230	1,058,871	5.5	0	0	0.0	431	1,237	2.9	8,124	60,327	7.4
	26-Jun	26	411	5,982	14.6	187,536	976,568	5.2	0	0	0.0	2,182	5,664	2.6	13,554	106,106	7.8
	3-Jul	27	17	333	19.6	4,574	28,426	6.2	0	0	0.0	95	233	2.5	453	3,679	8.1
	17-Jul	29	113	1,770	15.7	38,183	213,761	5.6	174	1,137	6.5	34,903	84,345	2.4	11,347	94,713	8.3
	24-Jul	30	845	10,369	12.3	126,521	690,155	5.5	6,917	52,861	7.6	141,249	378,317	2.7	70,591	590,432	8.4
	31-Jul	31	407	5,448	13.4	70,162	360,425	5.1	9,497	70,518	7.4	116,917	333,360	2.9	62,040	476,361	7.7
	7-Aug	32	93	1,133	12.2	5,750	31,353	5.5	1,773	13,855	7.8	49,821	146,105	2.9	12,310	107,001	8.7
TOTAL		2,374	32,714	13.8	623,956	3,359,559	5.4	18,361	138,371	7.5	345,598	949,261	2.7	178,419	1,438,619	8.1	
GRAND TOTAL		18,299	232,505	12.7	4,652,961	24,487,080	5.3	296,979	2,199,963	7.4	11,898,382	36,361,748	3.1	913,867	7,234,640	7.9	

Appendix L.1. Indexed peak salmon escapements for the Kodiak Management Area, by District and species, 1999.

District	Number of fish ^a					Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook	
Afognak	166,660	491,801	5,107	44,000	8	47
Northwest Kodiak	33,590	683,561	76,300	4,630	0	63
Southwest Kodiak	1,277,255	93,628	73,850	26,375	26,566	15
Alitak Bay	509,382	965,492	124,549	14,018	282	37
Eastside Kodiak	84,321	772,482	289,820	29,735	6	104
Northeast Kodiak	10,811	454,022	2,031	13,640	10	65
Mainland	37,150	620,700	310,600	1,000	0	61
TOTAL	2,119,169	4,081,686	882,257	133,398	26,872	392

Appendix L.2. Indexed peak salmon escapements for the Afognak District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
251-101	0	-	0	1,600	0	9/9	Prokopowich	
	100	300	0	-	0	9/30	Guchen	2
251-105	29,171	2	0	0	0	8/5	Weir Count	
251-302	5,978	0	0	0	0	6/29	Weir Count	
251-403	0	14,000	0	0	0	8/9	Brennan	2
251-404	0	23,500	0	0	0	8/9	Brennan	2
251-406	0	0	0	0	0	8/9	Brennan	1
251-504	0	100	0	150	0	8/25	Prokopowich	1
251-505	0	10,000	0	0	0	8/25	Prokopowich	2
251-601	0	0	0	1,200	0	9/8	Prokopowich	1
251-603	0	0	0	800	0	9/8	Prokopowich	1
251-702	0	0	0	8,000	0	9/8	Prokopowich	1
251-705	6	2,044	0	775	0	9/18	Weir Count	2
251-706	0	0	0	200	0	8/12	Prokopowich	1
251-821	0	4,000	0	0	0	8/17	Prokopowich	2
251-822	0	50,865	0	-	0	8/30	Baer	
	0	-	0	177	0	9/6	Baer	7
251-825	7,200	-	0	-	0	8/9	Brennan	4
	-	-	0	800	0	8/14	Baer	
	-	52,500	0	-	0	8/25	Prokopowich	
251-831	28,844	3,131	96	11,206	0	9/11	Weir Count	2
251-901	0	16,200	0	0	0	8/17	Prokopowich	1
251-902	0	1,000	0	0	0	8/17	Prokopowich	1
252-302	0	200	0	0	0	8/9	Brennan	1
252-306	0	1,500	0	0	0	8/17	Prokopowich	2
252-307	0	2,000	0	0	0	8/17	Prokopowich	2
252-309	0	0	0	0	0	8/9	Brennan	1
252-323	0	0	0	1,000	0	10/1	Aro	1
252-324	0	200,000	5,000	500	0	10/1	Aro	1
252-331	0	26,000	0	0	0	8/17	Prokopowich	
	0	-	0	5,000	0	9/8	Prokopowich	2
252-332	0	25,000	0	0	0	8/17	Prokopowich	2
252-342	95,361	30,959	11	12,092	8	9/9	Weir Count	
252-343	0	3,500	0	0	0	8/9	Brennan	
	0	25,000	0	500	0	9/8	Prokopowich	2
166,660		491,801	5,107	44,000	8			47

Appendix L.3. Indexed peak salmon escapements for the Northwest Kodiak District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
253-115	11,000	0	0	0	0	7/22	Nugent	
	-	33,000	0	0	0	8/27	Brennan	3
253-121	0	1,300	0	0	0	8/8	Brennan	2
253-122	-	-	9,000	0	0	8/8	Brennan	
	20,000	-	0	0	0	8/11	Prokopowich	
	-	-	-	1,130	0	9/7	Nugent	
	-	175,000	0	500	0	9/7	Prokopowich	8
253-331	0	-	15,000	0	0	8/11	Prokopowich	
	0	120,000	-	0	0	8/19	Prokopowich	5
253-332	0	13,000	0	0	0	8/18	Gretsch	2
254-201	0	200	0	0	0	8/8	Brennan	1
254-202	0	-	12,000	0	0	8/11	Prokopowich	
	0	120,000	0	0	0	8/19	Prokopowich	6
254-203	0	55,000	0	0	0	8/19	Prokopowich	6
254-204	0	4,000	0	0	0	8/8	Brennan	
	0	20,000	0	0	0	9/7	Prokopowich	2
254-206	0	0	0	0	0	8/8	Brennan	1
254-207	0	400	0	0	0	8/8	Brennan	1
254-213	0	2,500	0	0	0	8/11	Prokopowich	1
254-301	0	-	20,000	0	0	8/11	Prokopowich	
	0	69,000	-	0	0	8/27	Brennan	
	0	-	0	3,000	0	9/7	Nugent	5
254-302	0	7,600	0	0	0	8/27	Brennan	1
254-401	0	0	15,000	0	0	8/11	Prokopowich	
	70	15,500	-	0	0	8/27	Brennan	5
254-403	1,220	1	0	0	0	8/31	Watchers	
	-	60	-	-	-	9/10	Watchers	6
259-362	0	0	0	0	0	9/9	Prokopowich	1
259-363	1,300	0	0	0	0	7/22	Prokopowich	1
259-365	0	-	300	0	0	8/8	Brennan	
	0	14,000	-	0	0	8/18	Gretsch	2
259-371	0	33,000	5,000	0	0	8/11	Prokopowich	4
	33,590	683,561	76,300	4,630	0			63

Appendix L.4. Indexed peak salmon escapements for the Southwest Kodiak District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
255-101	981,538	89,160	160	22,875	13,063	9/26	Weir Count	5
256-201	295,717	4,468	80	-	13,503	8/30	Weir Count	
	-	-	-	3,500	-	9/7	Prokopowich	4
256-401	0	0	71,610	0	0	7/24	Weir Count	5
256-402	0	0	2,000	0	0	6/23	Brennan	1
	1,277,255	93,628	73,850	26,375	26,566			15

Appendix L.5. Indexed peak salmon escapements for the Alitak Bay District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
257-102	0	0	17,000	0	0	8/17	Nugent	1
257-302	-	35,500	0	2,250	0	9/3	Kuriscak	
	37,000	-	0	-	0	9/7	Prokopowich	8
257-303	375	0	0	0	0	8/17	Nugent	
	-	345	0	29	0	9/3	Kuriscak	3
257-304	246,537	9,512	3	4,098	1	9/9	Weir Count	
257-305	0	3,238	267	0	0	9/3	Kuriscak	1
257-401	0	20,582	1,927	2	0	9/3	Kuriscak	3
257-402	2,500	0	0	0	0	7/28	Brennan	
	-	0	0	3,500	0	8/17	Nugent	
	-	591	835	-	0	9/4	Kuriscak	5
257-403	222,970	161,109	3,659	4,139	281	8/28	Weir Count	2
257-404	0	9,215	358	0	0	9/4	Kuriscak	1
257-502	0	204,000	0	0	0	8/26	Prokopowich	2
257-503	0	13,500	0	0	0	8/26	Prokopowich	1
257-504	0	13,000	0	0	0	8/26	Prokopowich	1
257-601	0	0	85,000	0	0	8/26	Prokopowich	1
257-602	0	28,000	0	0	0	8/26	Prokopowich	1
257-603	0	600	-	0	0	7/28	Brennan	
	0	0	15,500	0	0	8/26	Prokopowich	3
257-604	0	300	0	0	0	7/28	Brennan	1
257-701	0	466,000	0	0	0	8/16	Prokopowich	3
	509,382	965,492	124,549	14,018	282			37

Appendix L.6. Indexed peak salmon escapements for the Eastside Kodiak District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Sockeye	Number of fish ^a					Date	Observer	Number of Surveys
		Pink	Chum	Coho	Chinook				
258-101	0	3,000	0	0	0	9/7	Brennan	1	
258-201	0	9,800	3,300	2,000	0	9/7	Brennan	1	
258-202	0	11,300	2,400	0	0	9/7	Brennan	3	
258-203	0	11,900	650	0	0	9/7	Brennan	1	
258-204	0	-	52,400	0	0	8/26	Prokopowich		
	0	3,200	-	0	0	9/7	Brennan	2	
258-205	0	0	74,000	0	0	8/26	Prokopowich		
	0	200	-	0	0	9/7	Brennan	3	
258-206	0	22,500	6,500	0	0	9/7	Brennan	1	
258-207	0	450	0	0	0	8/6	Prokopowich		
	0	37,000	7,200	0	0	9/7	Brennan	4	
258-208	0	500	-	0	0	8/6	Prokopowich		
	0	9,000	1,800	4,500	0	9/7	Brennan	3	
258-209	0	1,000	500	0	0	9/7	Brennan	2	
258-210	0	0	200	0	0	9/7	Brennan	1	
258-211	0	3,100	600	0	0	9/7	Brennan	2	
258-212	0	4,800	4,500	0	0	9/7	Brennan	1	
258-213	0	4,800	0	0	0	9/7	Brennan	1	
258-302	0	9,000	175	4,500	0	9/7	Brennan	1	
258-303	0	0	0	0	0	9/7	Brennan	1	
258-304	0	9,100	0	0	0	9/7	Brennan	1	
258-305	0	6,600	0	0	0	9/7	Brennan	1	
258-306	0	8,400	0	0	0	9/7	Brennan	1	
258-307	0	5,800	0	0	0	9/7	Brennan	1	
258-309	0	750	0	0	0	9/7	Brennan	1	
258-311	0	16,400	0	0	0	9/7	Brennan	1	
258-401	6,100	1,800	100	4,420	0	9/7	Brennan	1	
258-402	0	0	0	0	0	9/7	Brennan	1	
258-403	0	7,800	1,500	0	0	9/7	Brennan	1	
258-404	0	400	0	25	0	9/7	Brennan	1	
258-511	0	12,200	10,500	0	0	9/7	Brennan	2	
258-512	0	600	1,900	0	0	9/7	Brennan	1	
258-513	0	1,800	6,000	1,500	0	9/7	Brennan	1	
258-514	0	3,300	50	500	0	9/7	Brennan	1	
258-521	0	60,000	-	0	0	8/26	Prokopowich		
	0	-	8,700	3,000	0	9/7	Brennan	1	
258-522	0	6,300	-	0	0	7/28	Brennan		
	0	137,500	23,600	1,700	0	9/7	Brennan	6	
258-523	0	0	0	0	0	8/26	Prokopowich	1	
258-532	0	600	0	0	0	8/18	Nugent	1	
258-541	0	11,500	0	0	0	8/26	Prokopowich	1	
258-542	0	26,000	2,000	0	0	8/26	Prokopowich	1	
258-544	0	2,500	0	0	0	8/26	Prokopowich	1	
258-551	0	7,470	2,300	0	0	9/7	Brennan	1	
258-554	0	500	2,200	0	0	9/7	Brennan	1	
258-602	0	97,000	20,000	0	0	8/16	Prokopowich	2	

-Continued-

Appendix L.6. (page 2 of 2)

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
258-701	0	-	50	0	0	7/28	Brennan	
	0	96,000	0	0	0	8/16	Prokopowich	3
258-902	0	7,000	0	0	0	8/16	Prokopowich	1
258-903	0	31,500	0	0	0	8/16	Prokopowich	1
259-410	0	275	130	0	0	8/25	Gretsch	2
259-411	9,800	500	0	0	0	8/25	Gretsch	
	-	-	-	2,525	-	10/8	Schwarz	5
259-412	5,600	3,600	650	0	0	8/25	Gretsch	4
259-414	0	11,900	500	0	0	9/7	Brennan	4
259-415	-	22,987	2,515	0	0	8/25	Gretsch + Weir	
	-	-	-	5,000	-	9/7	Brennan	
	62,821	-	-	65	6	9/9	Weir Count	7
259-416	0	8,900	20,000	0	0	9/7	Brennan	2
259-417	0	2,500	500	0	0	9/7	Brennan	1
259-418	-	4,200	4,100	0	0	9/7	Brennan	1
259-419	0	300	0	0	0	9/7	Brennan	1
259-420	0	1,000	600	0	0	9/7	Brennan	1
259-423	0	3,200	0	0	0	7/28	Prokopowich	1
259-424	0	400	-	0	0	8/6	Prokopowich	
	0	16,200	7,100	0	0	9/7	Brennan	5
259-425	0	2,700	0	0	0	9/7	Brennan	1
259-426	0	2,050	0	0	0	9/7	Brennan	2
259-427	0	1,400	500	0	0	9/7	Brennan	1
259-428	0	0	20,100	0	0	9/7	Brennan	2
	84,321	772,482	289,820	29,735	6			104

Appendix I.7. Indexed peak salmon escapements for the Northeast Kodiak District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
259-101	0	20,500	0	0	0	8/25	Prokopowich	
259-102	-	-	-	71	-	11/1	Clapsadl	4
259-211	0	16,500	0	0	0	8/25	Prokopowich	
259-211	10,811	94,322	31	9,794	10	10/4	Weir Count	7
259-221	0	31,000	0	0	0	8/25	Gretsch	2
259-222	0	26,500	0	0	0	8/25	Gretsch	3
259-223	0	30,600	0	0	0	8/25	Gretsch	
259-231	-	-	-	396	-	10/25	Clapsadl	3
259-231	0	30,300	0	0	0	8/25	Gretsch	
259-233	0	-	0	284	0	10/9	Schwarz	7
259-233	0	19,000	0	0	0	8/25	Gretsch	2
259-234	-	-	-	71	-	10/18	Clapsadl	1
259-242	0	60,500	2,000	0	0	8/25	Gretsch	
259-242	-	-	-	2,054	-	10/8	Schwarz	8
259-244	0	0	0	0	0	8/25	Gretsch	2
259-245	0	13,200	0	0	0	8/25	Gretsch	4
259-246	0	300	0	1	0	9/24	Prokopowich	3
259-251	0	35,000	0	0	0	8/25	Gretsch	
259-251	-	-	-	537	-	10/21	Clapsadl	6
259-252	0	15,000	0	0	0	8/25	Gretsch	2
259-253	0	800	0	0	0	8/25	Gretsch	2
259-254	0	60,500	0	0	0	8/25	Gretsch	5
	10,811	454,022	2,031	13,640	10			65

Appendix L.8. Indexed peak salmon escapements for the Mainland District, by stream and species, in the Kodiak Management Area, 1999.

Stream	Number of fish ^a					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
262-151	22,000	0	0	0	0	7/23	Prokopowich	2
262-152	0	5,000	-	0	0	7/23	Prokopowich	
	0	70,000	55,000	1,000	0	8/25	Prokopowich	3
262-153	0	10,000	20,000	0	0	8/25	Prokopowich	3
262-154	0	50	0	0	0	8/18	Gretsch	1
262-203	0	250	-	0	0	8/18	Gretsch	
	0	0	9,000	0	0	8/25	Prokopowich	3
262-205	0	18,000	0	0	0	8/25	Prokopowich	2
262-271	0	11,500	-	0	0	8/25	Prokopowich	
		89,500	-	-	-	9/9	Prokopowich	2
262-272	0	2,500	11,200	0	0	9/9	Prokopowich	2
262-301	13,500	0	0	0	0	7/23	Prokopowich	
	-	1,700	0	0	0	8/18	Gretsch	2
262-401	0	5,000	0	0	0	8/19	Prokopowich	1
262-402	0	21,000	0	0	0	8/19	Prokopowich	1
262-451	0	61,500	1,500	0	0	8/19	Prokopowich	1
262-501	0	3,600	0	0	0	8/19	Prokopowich	1
262-551	0	18,000	500	0	0	9/9	Prokopowich	2
262-602	0	0	15,000	0	0	8/19	Prokopowich	
	0	500	-	0	0	8/25	Brennan	2
262-604	0	48,000	0	0	0	8/25	Brennan	2
262-651	0	47,300	1,800	0	0	8/25	Brennan	2
262-652	0	46,000	9,400	0	0	8/25	Brennan	2
262-653	0	45,500	0	0	0	8/25	Brennan	2
262-654	0	5,000	17,500	0	0	8/25	Brennan	1
262-655	150	100	0	0	0	8/25	Brennan	1
262-656	0	10,100	0	0	0	8/25	Brennan	1
262-701	0	11,400	0	0	0	8/25	Brennan	1
262-702	0	16,500	0	0	0	8/25	Brennan	1
262-703	0	10,100	16,000	0	0	8/25	Brennan	1
262-704	0	1,100	0	0	0	8/25	Brennan	1
262-705	0	7,000	0	0	0	8/25	Brennan	1
262-706	0	8,100	7,000	0	0	8/25	Brennan	1
262-751	0	36,000	0	0	0	8/25	Brennan	1
262-752	0	10,000	14,200	0	0	8/25	Brennan	1
262-801	0	1,100	0	0	0	8/25	Brennan	1
262-802	1,500	9,500	3,000	0	0	8/25	Brennan	1
262-851	0	42,000	9,300	0	0	8/25	Brennan	2
262-853	0	3,200	0	0	0	8/25	Brennan	1
262-858	0	1,800	12,300	0	0	8/25	Brennan	1
262-859	0	500	8,900	0	0	8/25	Brennan	2
262-860	0	0	2,500	0	0	8/25	Brennan	1
262-861	0	8,800	0	0	0	8/25	Brennan	1
262-951	0	18,000	3,200	0	0	8/25	Brennan	2
262-952	0	5,000	3,800	0	0	8/25	Brennan	2
		37,150	620,700	310,600	1,000	0		61

The Alaska Department of Fish and Game administers all programs and activities free from discrimination on the bases of race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972.

If you believe you have been discriminated against in any program, activity, or facility, or if you desire further information please write to ADF&G, P.O. Box 25526, Juneau, AK 99802-5526; U.S. Fish and Wildlife Service, 4040 N. Fairfield Drive, Suite 300, Arlington, VA 22203 or O.E.O., U.S. Department of the Interior, Washington DC 20240.

For information on alternative formats for this and other department publications, please contact the department ADA Coordinator at (voice) 907-465-4120, (TDD) 907-465-3646, or (FAX) 907-465-2440.
